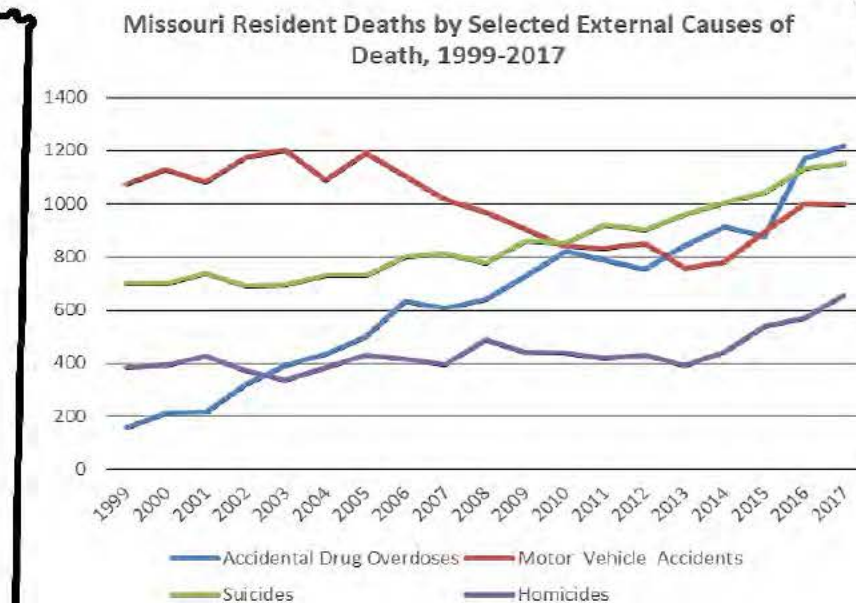


# Missouri Vital Statistics 2017



Missouri Department of  
Health and Senior Services  
**Bureau of Vital Statistics**

# **MISSOURI VITAL STATISTICS 2017**

**MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES**

**BUREAU OF VITAL STATISTICS**

**P.O. BOX 570  
JEFFERSON CITY  
65102-0570**

**BVS PUBLICATION NO. 4.65**

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December 2018

## PREFACE

Legislation passed by the Missouri General Assembly and approved on May 6, 1909, provided for the ‘immediate registration of all births and deaths’ by the State Board of Health. Improved sanitation and hygiene for the people of the state were anticipated as a result of centralizing these duties. With the passage of the legislation, Missouri became the 19<sup>th</sup> state to enact a comprehensive vital statistics law and acceptance into the death registration area of the U.S. Census Bureau soon followed. The 1909 law was implemented by February of 1910, and the first vital statistics report using a full year of Missouri birth and death records was for 1911.

Birth and death certificates are permanent legal records that contain valuable health and medical information. As legal documents, birth and death certificates provide proof of age, parentage, and citizenship. They are used to obtain passports and driver’s licenses, enroll in benefits programs, settle estates, obtain life insurance payouts, and terminate Social Security benefits. Health and medical information from birth and death records is transformed into data to calculate population growth, identify health risk factors, measure health outcomes, plan and evaluate health programs and conduct research. Vital statistics help drive public health programs that keep society healthy, and they influence our personal healthcare. Vital records and vital statistics impact our lives every day. For more than 100 years, Missouri vital records have captured a piece of the life story of every person who was born or died in Missouri.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2017. Records of live births received through February 23, 2018, death and fetal death records and abortion records through April 15, 2018, and marriages and dissolutions received through May 1, 2018, are included in the tables allowing information on 2017 events to be as complete as possible.

*Missouri Vital Statistics 2017* is published for use in public health and related fields as an aid for studying births, deaths, fetal deaths, marriages, dissolutions, and abortions. This document, along with additional vital statistics data, is available on the Department of Health and Senior Services website at [health.mo.gov](http://health.mo.gov) under Data and Statistics.



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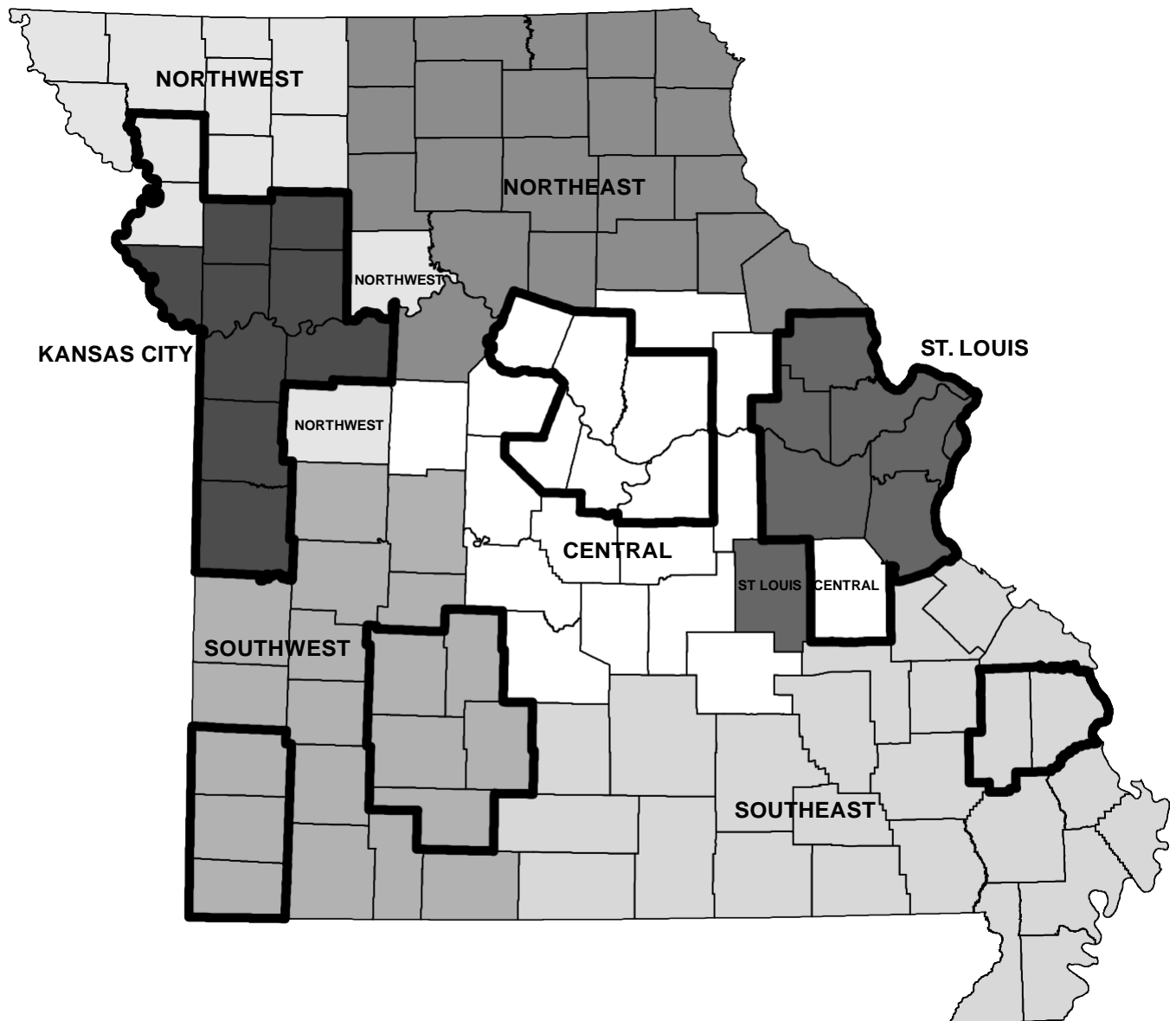
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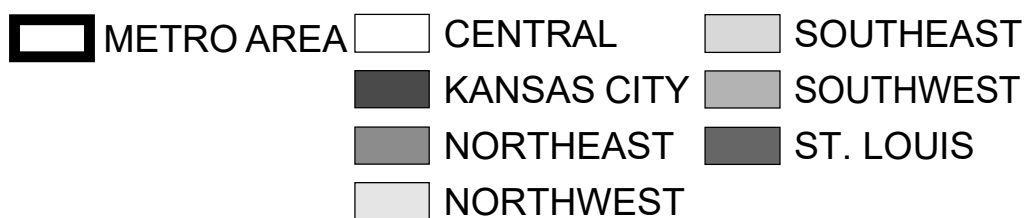
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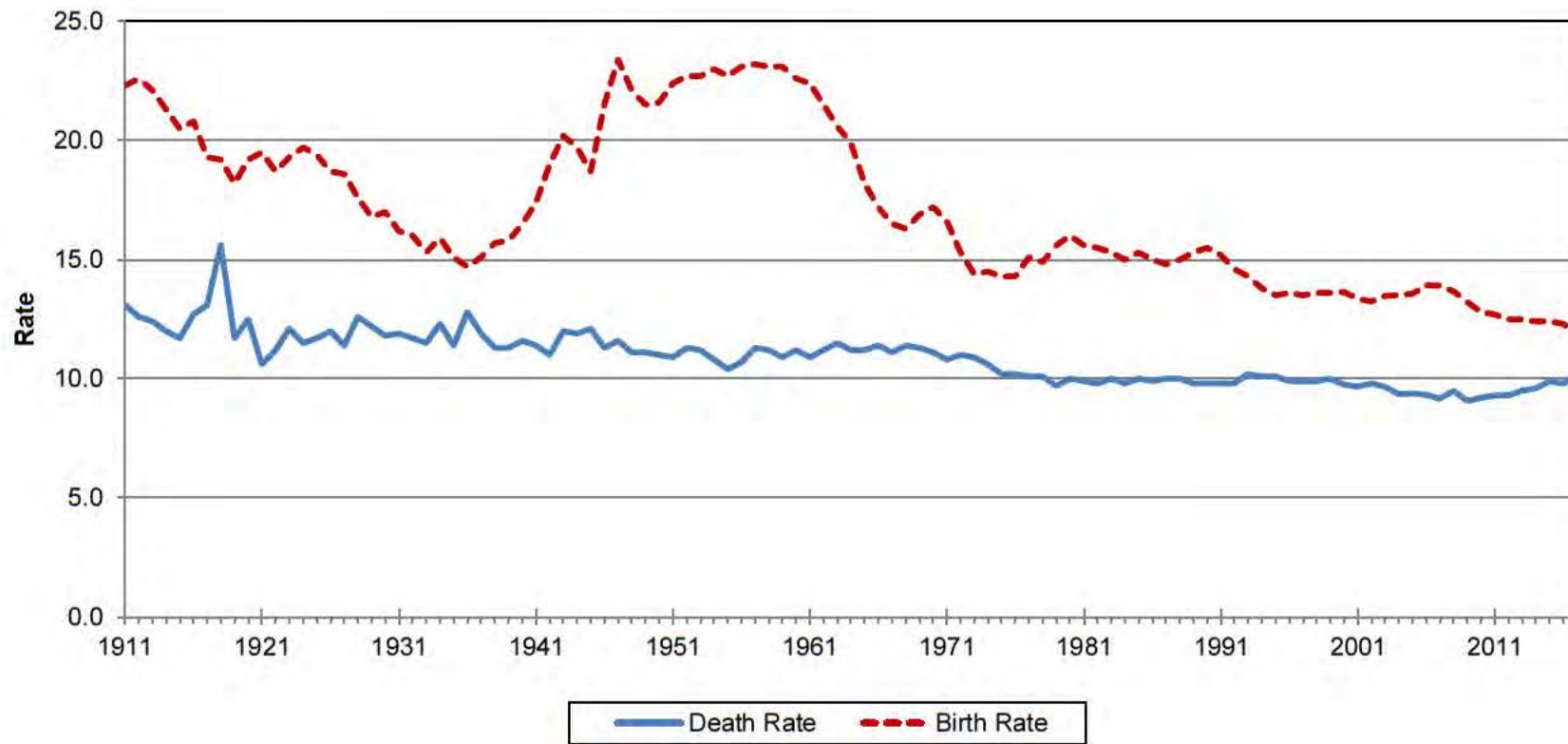
# Behavioral Risk Factor Surveillance System (BRFSS) Regions



## LEGEND



Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2017\*



Rate			Rate			Rate			Rate		
Year	Birth	Death	Year	Birth	Death	Year	Birth	Death	Year	Birth	Death
1911	22.3	13.1	1945	18.7	12.1	1980	16.0	10.0	2011	12.7	9.3
1915	20.5	11.7	1950	21.6	11.0	1985	15.3	10.0	2012	12.5	9.3
1920	19.2	12.5	1955	22.7	10.4	1990	15.5	9.8	2013	12.5	9.5
1925	19.4	11.7	1960	22.6	11.2	1995	13.5	10.1	2014	12.4	9.6
1930	17.0	11.8	1965	18.2	11.2	2000	13.6	9.8	2015	12.4	9.8
1935	15.1	11.4	1970	17.2	11.1	2005	13.6	9.4	2016	12.3	9.8
1940	16.5	11.6	1975	14.3	10.2	2010	12.8	9.2	2017	11.9	10.1

\*1911-1944 recorded events    1945-2017 resident events

**Table 1. Population, Recorded Births and Deaths with Rates per 1,000 Population and Natural Increase: Missouri, 1911-1944**

Year	Estimated Mid-Year Population	Births		Deaths	
		Number	Rate	Number	Rate
1911	3,317	74,130	22.3	43,479	13.1
1912	3,344	75,452	22.6	42,139	12.6
1913	3,409	75,231	22.1	42,130	12.4
1914	3,467	73,925	21.3	41,743	12.0
1915	3,492	71,543	20.5	40,863	11.7
1916	3,527	73,486	20.8	44,705	12.7
1917	3,470	67,041	19.3	45,564	13.1
1918	3,325	64,001	19.2	51,925	15.6
1919	3,371	61,193	18.2	39,282	11.7
1920	3,404	65,416	19.2	42,572	12.5
1921	3,429	66,970	19.5	36,210	10.6
1922	3,427	64,388	18.7	38,417	11.2
1923	3,454	66,691	19.3	41,853	12.1
1924	3,508	68,961	19.7	40,463	11.5
1925	3,526	68,293	19.4	41,332	11.7
1926	3,556	66,611	18.7	42,684	12.0
1927	3,576	66,401	18.6	40,853	11.4
1928	3,601	63,401	17.6	45,219	12.6
1929	3,622	60,980	16.8	44,262	12.2
1930	3,646	62,011	17.0	42,924	11.8
1931	3,711	60,201	16.2	43,999	11.9
1932	3,746	59,755	16.0	43,695	11.7
1933	3,773	57,717	15.3	43,368	11.5
1934	3,784	60,317	15.9	46,685	12.3
1935	3,798	57,299	15.1	43,201	11.4
1936	3,801	55,916	14.7	48,767	12.8
1937	3,794	57,270	15.1	45,160	11.9
1938	3,781	59,365	15.7	42,578	11.3
1939	3,783	59,688	15.8	42,693	11.3
1940	3,786	62,545	16.5	43,950	11.6
1941	3,811	66,268	17.4	43,295	11.4
1942	3,829	72,575	19.0	42,117	11.0
1943	3,705	74,820	20.2	44,437	12.0
1944	3,560	69,982	19.7	42,347	11.9

Sources: 1911-1934 and 1937-1944 Vital Statistics Reports of the Missouri State Board of Health. 1935-1936, Special Reports of the United States Bureau of the Census. Population estimates 1911 to 1944 taken from the United States Bureau of the Census Release, Series P-25, No 139, June 27, 1956.

Note: Only Recorded births and deaths are shown because resident data was not available before 1945.

**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2017**

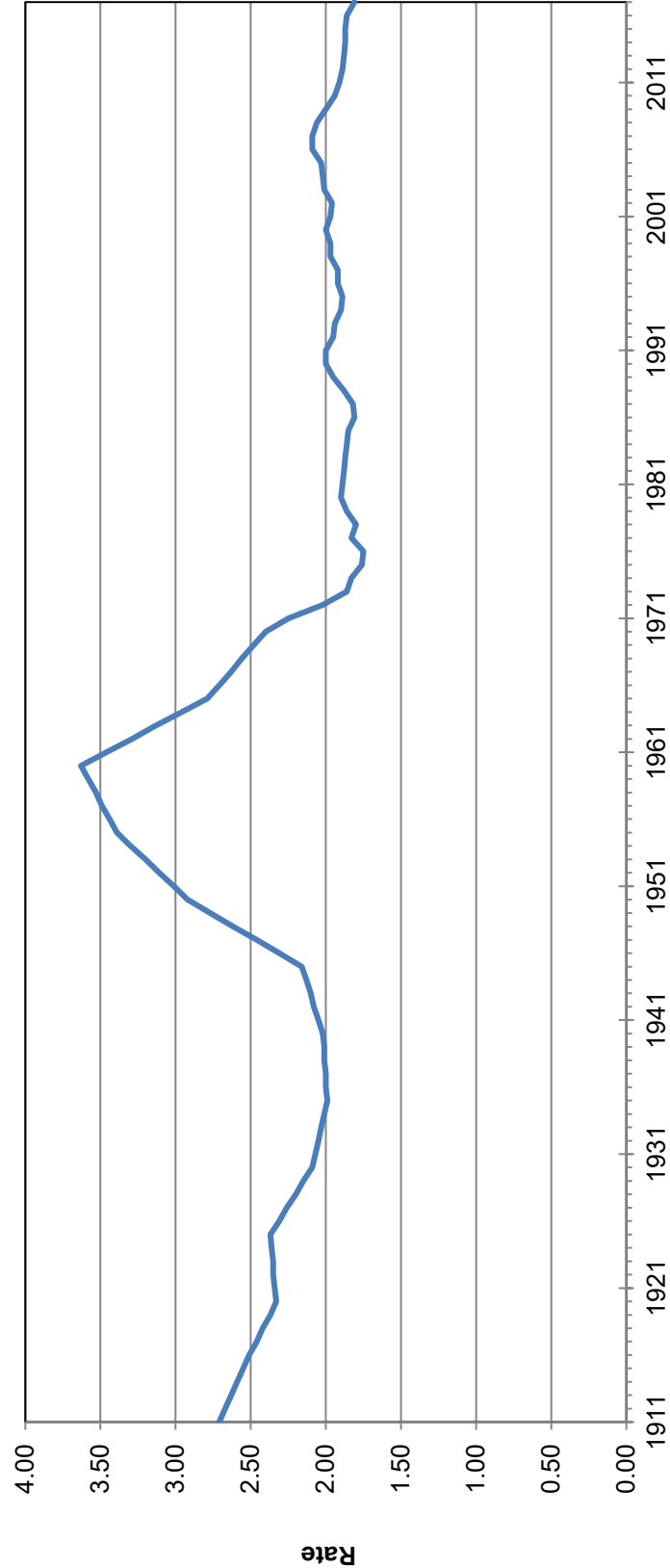
Year	Estimated Mid-Year Population (Thousands)	Recorded			Resident			Natural Increase
		Births		Deaths	Births		Deaths	
		Number	Rate	Number	Rate	Number	Rate	
1945	3,516	67,693	19.3	42,757	12.2	65,691	18.7	23,195
1946	3,746	82,901	22.1	42,640	11.4	80,698	21.5	38,321
1947	3,845	92,369	24.0	44,762	11.6	89,902	23.4	45,428
1948	3,844	87,005	22.6	42,921	11.2	85,096	22.1	42,342
1949	3,955	87,372	22.1	43,995	11.1	85,206	21.5	41,498
1950	3,964	87,948	22.2	43,962	11.1	85,704	21.6	41,990
1951	4,015	92,664	23.1	44,318	11.0	89,977	22.4	45,926
1952	3,972	92,931	23.4	45,245	11.4	90,118	22.7	45,067
1953	4,020	94,419	23.5	45,686	11.4	91,447	22.7	46,299
1954	4,066	97,278	23.9	44,404	10.9	93,453	23.0	49,618
1955	4,134	97,591	23.6	43,531	10.5	93,797	22.7	50,797
1956	4,163	100,163	24.1	45,003	10.8	96,099	23.1	51,641
1957	4,189	101,287	24.2	47,784	11.4	97,161	23.2	49,828
1958	4,186	100,729	24.1	47,338	11.3	96,721	23.1	49,992
1959	4,258	102,461	24.1	47,099	11.1	98,537	23.1	52,072
1960	4,326	101,778	23.5	48,955	11.3	97,723	22.6	49,436
1961	4,349	101,462	23.3	47,933	11.0	97,321	22.4	50,018
1962	4,357	97,658	22.4	49,685	11.4	93,879	21.5	44,863
1963	4,392	93,545	21.3	51,159	11.6	90,363	20.6	39,825
1964	4,442	90,918	20.5	50,271	11.3	88,335	19.9	38,718
1965	4,467	84,162	18.8	51,101	11.4	81,216	18.2	30,967
1966	4,523	80,750	17.9	52,476	11.6	77,946	17.2	26,365
1967	4,539	77,940	17.2	51,245	11.3	74,823	16.5	24,279
1968	4,568	77,028	16.9	52,834	11.6	74,304	16.3	22,285
1969	4,640	81,313	17.5	53,172	11.5	78,396	16.9	26,082
1970	4,680	83,787	17.9	52,592	11.2	80,707	17.2	28,964
1971	4,723	81,409	17.2	51,810	11.0	78,375	16.6	27,564
1972	4,753	75,127	15.8	53,249	11.2	72,597	15.3	20,310
1973	4,775	70,808	14.8	53,003	11.1	68,605	14.4	16,793
1974	4,785	71,875	15.0	51,656	10.8	69,412	14.5	18,908
1975	4,795	70,786	14.8	49,986	10.4	68,442	14.3	19,458
1976	4,824	71,319	14.8	50,074	10.4	68,781	14.3	19,773
1977	4,845	75,689	15.6	49,839	10.3	72,957	15.1	24,196
1978	4,871	75,283	15.5	50,439	10.4	72,654	14.9	23,447
1979	4,889	78,562	16.1	48,946	10.0	76,056	15.6	28,400
1980	4,917	80,770	16.4	50,504	10.3	78,588	16.0	29,254
1981	4,932	78,538	15.9	49,780	10.1	76,758	15.6	28,113
1982	4,930	78,334	15.9	49,145	10.0	76,648	15.5	28,522
1983	4,944	77,061	15.6	50,540	10.2	75,505	15.3	26,124
1984	4,976	76,293	15.3	50,232	10.1	74,422	15.0	25,532



**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2017**

Year	Estimated Mid-Year Population (Thousands)	<u>Recorded</u>			<u>Resident</u>		
		<u>Births</u>		<u>Deaths</u>		<u>Deaths</u>	
		Number	Rate	Number	Rate	Number	Natural Increase
1985	5,002	78,760	15.7	51,635	10.3	76,697	10.0
1986	5,024	77,105	15.3	51,350	10.2	75,116	9.9
1987	5,057	76,909	15.2	52,016	10.3	74,830	10.0
1988	5,083	78,331	15.4	52,265	10.3	76,101	10.0
1989	5,096	79,866	15.7	51,679	10.1	77,755	9.8
1990	5,117	81,416	15.9	51,786	10.1	79,135	9.8
1991	5,171	81,076	15.7	52,362	10.1	78,468	9.8
1992	5,217	78,720	15.1	52,513	10.1	76,005	9.8
1993	5,271	77,986	14.8	55,322	10.5	75,146	10.2
1994	5,324	76,381	14.3	55,398	10.4	73,279	10.1
1995	5,378	75,980	14.1	56,062	10.4	72,804	10.1
1996	5,432	76,504	14.1	55,517	10.2	73,733	9.9
1997	5,481	76,650	14.0	55,887	10.2	73,940	9.9
1998	5,522	77,701	14.1	56,708	10.3	75,242	9.9
1999	5,562	77,371	13.9	57,621	10.4	75,366	10.0
2000	5,597	78,302	14.0	56,395	10.1	76,329	9.8
2001	5,641	76,690	13.6	56,343	10.0	75,290	9.7
2002	5,675	76,366	13.5	57,406	10.1	75,167	9.8
2003	5,709	77,878	13.6	56,903	10.0	76,960	9.7
2004	5,748	78,591	13.7	55,363	9.6	77,709	9.4
2005	5,790	79,525	13.7	56,091	9.7	78,547	9.4
2006	5,843	82,456	14.1	56,279	9.6	81,353	9.3
2007	5,888	82,823	14.1	55,888	9.5	81,883	9.2
2008	5,924	81,991	13.8	58,377	9.9	80,944	9.5
2009	5,961	79,593	13.4	56,148	9.4	78,849	9.1
2010	5,989	77,588	13.0	57,303	9.6	76,718	9.2
2011	6,010	77,135	12.8	57,794	9.6	76,069	9.3
2012	6,023	76,411	12.7	58,117	9.6	75,400	9.3
2013	6,041	76,390	12.6	59,456	9.8	75,244	9.5
2014	6,058	76,725	12.7	60,297	10.0	75,104	9.6
2015	6,073	76,169	12.5	61,995	10.2	75,042	9.8
2016	6,091	75,863	12.5	61,888	10.2	74,664	9.8
2017	6,114	73,868	12.1	64,202	10.5	73,017	10.1

Graph B. Total Fertility Rates: Missouri, 1911-2017

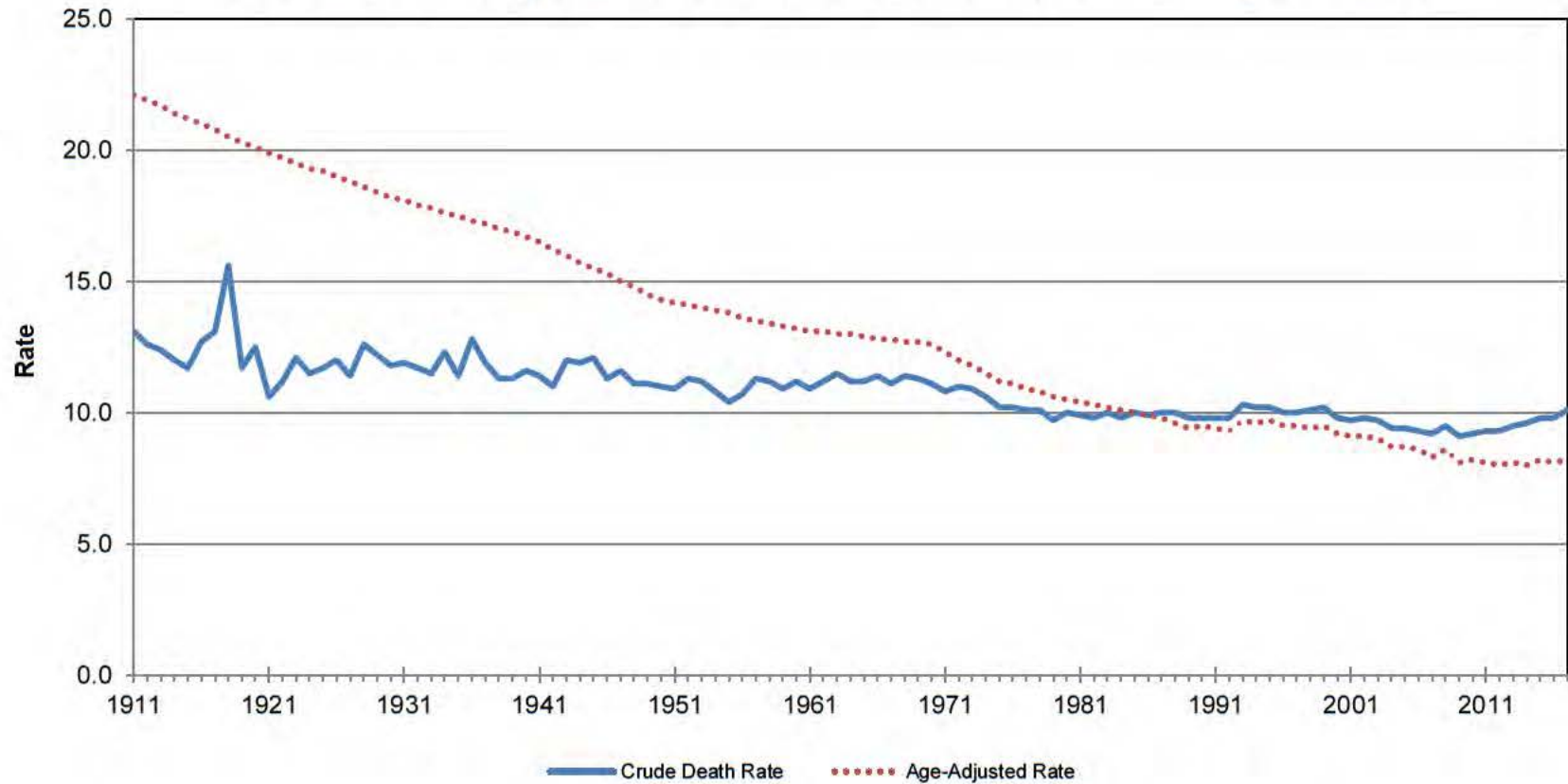


Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate
1911	2.71	1945	2.16	1980	1.90
1915	2.55	1950	2.92	1985	1.85
1920	2.33	1955	3.39	1990	2.00
1925	2.37	1960	3.63	1995	1.89
1930	2.09	1965	2.79	2000	2.00
1935	1.99	1970	2.40	2005	2.03
1940	2.02	1975	1.76	2010	1.94
				2011	1.91
				2012	1.89
				2013	1.88
				2014	1.87
				2015	1.87
				2016	1.86
				2017	1.81

Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2017

Year	General Fertility Rate	Age of Mother									
		Under 15	15-19				20-24				45+
			Total	15-17	18-19	20-24	25-29	30-34	35-39	40-44	
1911	93.3	0.4	48.8	---	---	134.2	133.5	109.6	77.7	33.5	3.8
1915	88.8	0.3	50.4	---	---	136.4	126.2	97.5	67.7	27.7	3.2
1920	80.6	0.4	49.6	---	---	129.3	113.3	85.0	59.6	25.0	3.0
1925	81.1	0.4	56.7	---	---	129.5	120.2	83.8	57.7	22.5	2.4
1930	71.1	0.5	54.1	---	---	115.5	103.6	79.8	46.7	18.3	2.0
1935	68.0	0.5	52.5	---	---	116.0	96.9	69.3	43.6	16.8	1.6
1940	69.1	0.4	54.5	---	---	123.6	104.8	69.8	37.1	13.2	1.4
1945	73.2	0.5	50.2	---	---	121.7	114.2	81.4	47.5	14.9	1.2
1950	98.6	0.9	82.6	---	---	189.5	153.4	95.2	48.1	14.0	1.0
1955	112.3	0.8	95.3	---	---	229.0	174.2	106.9	55.7	15.2	1.0
1960	118.1	0.9	99.0	---	---	254.4	187.5	110.5	56.5	16.5	1.0
1965	93.0	0.9	75.1	---	---	188.7	146.5	87.1	45.0	13.5	0.8
1970	85.6	1.1	71.8	---	---	163.3	137.2	67.7	30.1	8.8	0.5
1975	65.9	1.3	60.0	41.1	89.0	110.1	106.6	51.1	18.8	4.6	0.2
1980	70.6	1.2	57.5	35.6	88.0	121.9	116.9	60.5	18.3	3.7	0.2
1985	66.4	1.2	52.4	30.5	83.8	115.9	113.0	63.4	19.7	3.2	0.2
1990	67.9	1.2	62.7	39.2	92.9	118.9	117.3	70.5	25.3	4.1	0.1
1995	61.0	1.1	55.1	32.3	91.2	108.3	108.9	72.4	27.6	4.5	0.2
1996	61.5	0.9	53.2	30.8	88.8	111.7	110.6	74.1	28.5	4.9	0.2
1997	61.1	0.8	49.9	29.4	85.6	111.3	112.7	75.0	29.6	5.1	0.2
1998	62.3	0.7	51.1	28.7	85.3	113.9	114.4	76.9	30.5	5.4	0.2
1999	62.5	0.7	49.6	26.9	83.2	114.2	115.8	78.5	30.4	5.5	0.3
2000	63.3	0.7	48.6	26.7	80.4	115.2	115.4	82.9	31.4	5.8	0.4
2001	62.5	0.6	45.9	23.2	79.9	109.3	117.8	83.2	31.9	5.7	0.3
2002	62.6	0.6	43.7	21.9	76.6	108.3	116.4	84.2	33.1	5.9	0.4
2003	64.2	0.6	42.7	21.2	74.8	109.4	122.0	86.3	34.0	6.1	0.3
2004	65.0	0.7	42.8	21.4	74.4	108.4	121.4	87.1	36.2	6.4	0.4
2005	65.8	0.5	41.6	20.6	73.4	110.1	123.4	87.0	36.3	6.4	0.3
2006	68.2	0.5	44.0	22.4	77.0	114.4	124.8	89.3	37.1	6.6	0.4
2007	68.8	0.5	44.0	21.2	78.7	115.1	124.6	90.0	36.7	6.5	0.4
2008	68.4	0.5	43.5	21.3	75.8	111.3	122.1	90.4	36.5	6.8	0.4
2009	66.8	0.4	40.6	19.4	70.4	107.5	117.5	89.9	36.3	6.7	0.3
2010	65.2	0.4	37.0	17.0	65.0	100.0	116.6	90.2	36.0	7.2	0.4
2011	64.8	0.3	34.5	15.8	61.1	96.4	115.1	91.1	37.4	7.3	0.3
2012	64.3	0.4	32.2	13.9	58.9	93.3	115.1	91.5	37.8	7.5	0.4
2013	64.1	0.2	30.0	12.6	55.8	90.4	116.6	92.5	39.0	7.0	0.4
2014	64.0	0.3	27.2	11.7	50.6	88.9	115.6	94.8	39.7	7.5	0.4
2015	64.0	0.2	25.1	10.4	47.8	87.7	115.5	96.6	41.3	7.1	0.4
2016	63.8	0.2	23.4	9.4	44.8	85.4	113.8	97.8	42.7	8.0	0.4
2017	62.3	0.1	22.5	8.6	43.5	82.3	109.9	96.7	42.5	8.1	0.4

**Graph C. Crude and Age-Adjusted Death Rates\* per 1,000 Population: Missouri, 1911-2017**



Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.
1911	13.1	22.1	1945	12.1	15.5	1980	10.0	10.5	2011	9.3	8.1
1915	11.7	21.2	1950	11.0	14.3	1985	10.0	10.0	2012	9.3	8.0
1920	12.5	20.1	1955	10.4	13.8	1990	9.8	9.5	2013	9.5	8.1
1925	11.7	19.2	1960	11.2	13.2	1995	10.2	9.7	2014	9.6	8.0
1930	11.8	18.2	1965	11.2	12.9	2000	9.8	9.2	2015	9.8	8.2
1935	11.4	17.5	1970	11.1	12.6	2005	9.4	8.7	2016	9.8	8.1
1940	11.6	16.7	1975	10.2	11.2	2010	9.2	8.2	2017	10.1	8.2

\*United States 2000 population distribution used as the standard.

**Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2017**

Year	Total*	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1911	22.1	99.6	12.3	2.7	4.8	6.9	8.8	13.5	24.4	52.4	118.8	247.6
1920	20.1	87.1	10.4	2.8	5.0	7.0	7.9	11.2	21.1	47.0	104.2	249.0
1930	18.2	63.9	5.1	1.8	3.3	4.4	6.4	11.9	22.2	49.5	110.0	190.0
1940	16.7	51.6	3.3	1.0	1.9	2.8	4.9	9.8	20.4	44.8	110.0	207.2
1950	14.3	33.4	1.5	0.6	1.2	1.7	3.4	8.1	18.1	38.9	94.3	210.4
1960	13.2	25.5	1.0	0.4	1.1	1.5	2.9	7.2	16.6	37.1	86.5	201.1
1970	12.6	20.8	0.8	0.4	1.4	1.6	3.2	7.2	16.6	35.8	81.8	181.9
1975	11.2	16.4	0.6	0.3	1.2	1.4	2.6	6.5	14.6	32.4	71.9	170.6
1980	10.5	12.3	0.7	0.3	1.3	1.3	2.2	5.8	13.4	30.5	67.1	162.4
1985	10.0	10.2	0.5	0.2	1.0	1.2	1.8	5.1	13.3	28.5	65.8	161.4
1990	9.4	9.4	0.5	0.3	1.1	1.3	2.0	4.5	12.5	26.8	60.9	154.5
1995	9.7	7.4	0.4	0.3	1.1	1.4	2.3	4.8	11.7	27.3	60.9	159.5
1996	9.5	7.6	0.4	0.3	1.0	1.2	2.3	4.5	11.2	26.5	60.6	158.2
1997	9.5	7.6	0.4	0.2	1.0	1.2	2.0	4.5	11.5	26.6	59.7	160.8
1998	9.4	7.6	0.4	0.2	0.9	1.2	2.1	4.4	11.0	26.5	60.6	163.5
1999	9.5	7.7	0.3	0.2	0.9	1.2	2.2	4.4	10.9	26.7	61.3	165.5
2000	9.2	7.2	0.3	0.2	1.0	1.1	2.1	4.4	10.6	25.5	59.5	162.2
2001	9.1	7.4	0.4	0.2	1.0	1.1	2.2	4.4	10.2	24.8	59.0	161.9
2002	9.1	8.5	0.4	0.2	1.0	1.1	2.2	4.6	10.1	25.0	59.1	164.3
2003	9.0	7.8	0.4	0.2	0.9	1.1	2.2	4.7	10.1	24.3	58.0	160.8
2004	8.7	7.5	0.4	0.2	0.9	1.1	2.1	4.5	9.9	23.3	56.0	154.9
2005	8.7	7.5	0.3	0.2	1.0	1.2	2.2	4.8	9.5	22.8	56.0	153.9
2006	8.6	7.4	0.3	0.2	1.0	1.3	2.2	4.7	9.6	22.2	54.6	151.8
2007	8.3	7.5	0.4	0.2	0.9	1.2	2.0	4.6	9.1	21.6	53.6	150.2
2008	8.6	7.2	0.3	0.2	0.9	1.2	2.1	4.8	9.7	21.7	54.7	156.1
2009	8.1	7.2	0.4	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.8	142.5
2010	8.2	6.6	0.2	0.1	0.9	1.3	2.1	4.7	9.3	20.8	51.6	146.9
2011	8.1	6.3	0.3	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.0	144.1
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.2
2013	8.1	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.1	50.6	143.1
2014	8.0	6.1	0.3	0.1	0.8	1.3	2.1	4.8	10.1	20.2	50.6	139.6
2015	8.2	6.5	0.3	0.2	0.9	1.4	2.2	4.8	10.2	20.2	50.8	141.9
2016	8.1	6.6	0.3	0.1	1.0	1.6	2.4	4.7	10.0	20.0	49.4	139.3
2017	8.2	6.2	0.3	0.2	1.0	1.6	2.4	4.6	10.2	20.7	50.4	140.9

\*Age-Adjusted Death Rate using United States 2000 population distribution as the standard.



**Table 5A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2017**

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Total</b>	73,017	53,633	10,467	4,692	4,152
<b>Gender</b>					
Male	37,460	27,593	5,280	2,415	2,129
Female	35,557	26,040	5,187	2,277	2,023
<b>Attendant</b>					
MD	56,674	40,500	9,202	3,764	3,153
DO	11,834	9,492	936	680	716
CNM/CM	3,228	2,521	246	204	253
CPM	415	372	6	21	14
Other Midwife	439	430	1	2	5
Other	427	318	76	21	11
<b>Birthplace</b>					
Hospital	71,297	52,109	10,378	4,642	4,100
Birthing Center	266	212	26	10	18
Clinic	194	188	1	1	3
Home Residence	1,164	1,046	51	35	28
...Planned	1,044	982	11	25	22
...Unplanned	109	58	36	10	5
Other	96	78	11	4	3
<b>Month of Birth</b>					
January	5,837	4,185	912	386	347
February	5,473	4,082	740	326	321
March	6,011	4,493	782	370	360
April	5,640	4,107	839	390	302
May	6,200	4,631	858	388	318
June	6,223	4,593	861	382	379
July	6,397	4,699	960	421	310
August	6,676	4,907	953	414	390
September	6,374	4,694	900	423	348
October	6,204	4,538	873	422	366
November	6,029	4,404	859	411	351
December	5,953	4,300	930	359	360
<b>Number Born</b>					
Singleton	70,305	51,638	10,017	4,517	4,064
Twin	2,617	1,910	443	175	85
Triplet	95	85	7	0	3
Quadruplet or More	0	0	0	0	0

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Previous Non-Live Birth Outcomes</b>					
None	50,239	37,380	6,536	3,305	2,972
One	14,586	10,490	2,406	908	765
Two or More	7,723	5,435	1,445	453	382
Unknown	469	328	80	26	33
<b>Maternal Smoking</b>					
Non-smoker	58,192	41,840	8,718	3,913	3,674
3 Months Prior	13,967	11,328	1,520	708	404
During Pregnancy	10,452	8,562	1,111	514	259
...First Trimester	10,178	8,354	1,072	499	247
...Second Trimester	8,706	7,206	879	412	203
...Last 3 Months	8,208	6,796	811	411	184
...Smoked Pack per Day	1,581	1,327	147	79	26
...Quit Smoking	2,218	1,747	295	103	73
Status Unknown	716	370	197	60	70
<b>Full-Term Singleton</b>					
<b>Maternal Weight Gain</b>					
Less than 15 Pounds	8,379	5,522	1,689	572	593
15 to 24 Pounds	10,585	7,625	1,513	713	731
25 to 34 Pounds	16,856	12,846	1,923	1,096	979
35 to 44 Pounds	13,878	10,856	1,477	851	681
45 or More Pounds	12,734	9,777	1,627	724	596
Unknown	1,823	992	498	174	137
<b>Maternal Weight Status Before Pregnancy</b>					
Underweight	2,760	2,032	365	253	110
Normal	31,462	24,187	3,469	2,213	1,571
Overweight	17,585	12,717	2,602	1,096	1,154
Obese	20,175	14,203	3,782	1,024	1,157
<b>Principal Payment Source</b>					
Medicaid	27,915	16,633	7,065	1,869	2,312
Private Insurance	40,059	33,294	2,898	2,456	1,387
Self-pay	2,506	1,898	199	168	239
Other	1,511	1,092	149	117	148
Unknown	1,026	716	156	82	66

\* Includes births to mothers of multiple races, but not mothers of unknown race.



**Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2017**

	Number	Percent
<b>Live Births</b>	73,017	100.0
<b>Pregnancy Risk Factors</b>	23,393	32.0
...Prepregnancy Diabetes	670	0.9
...Gestational Diabetes	4,860	6.7
...Insulin-dependent Diabetes	904	1.2
...Prepregnancy Hypertension	1,960	2.7
...Gestational Hypertension	5,815	8.0
...Eclampsia	515	0.7
...Previous Preterm Births	2,906	4.0
...Other Poor Pregnancy Outcomes	1,776	2.4
...Infertility Treatment	1,169	1.6
...Previous Cesarean Delivery	10,117	13.9
<b>Infections</b>	2,551	3.5
...Gonorrhea	385	0.5
...Syphilis	68	0.1
...Chlamydia	1,660	2.3
...Hepatitis B	134	0.2
...Hepatitis C	527	0.7
...HIV	66	0.1
<b>Obstetric Procedures</b>	1,094	1.5
...Cervical Cerclage	261	0.4
...Tocolysis	672	0.9
...External Cephalic Version	225	0.3
.....Successful*	116	51.6
<b>Onset of Labor</b>	6,965	9.5
...Premature Membrane Rupture	2,881	3.9
...Precipitous Labor	3,209	4.4
...Prolonged Labor	1,157	1.6

	Number	Percent
<b>Characteristics of Labor</b>	65,126	89.2
...Induction of Labor	25,704	35.2
...Augmentation of Labor	16,981	23.3
...Non-vertex Presentation	1,334	1.8
...Steroids for Lung Maturation	2,829	3.9
...Antibiotics for Mother	24,219	33.2
...Clinical Chorioamnionitis	1,062	1.5
...Meconium Staining	3,671	5.0
...Fetal Intolerance of Labor	3,747	5.1
...Epidural Given	57,261	78.4
<b>Final Delivery Route and Method</b>		
...Vaginal/Spontaneous	48,723	66.7
...Vaginal/Forceps	448	0.6
...Vaginal/Vacuum	1,713	2.3
...Cesarean	21,914	30.0
.....Vaginal Trial Prior to Cesarean**	6,910	31.5
...Attempted Forceps (unsuccessful)	217	0.3
...Attempted Vacuum (unsuccessful)	481	0.7
...Vaginal After Previous Cesarean (VBAC)***	1,654	16.3
<b>Fetal Presentation:</b>		
...Cephalic	68,800	94.2
...Breech	3,044	4.2
...Other	450	0.6

	Number	Percent
<b>Abnormal Conditions of Newborn</b>	8,488	11.6
...Assisted Ventilation, Immediate	4,271	5.8
...Assisted Ventilation, Long-term	1,402	1.9
...NICU Admission	6,244	8.6
...Surfactant Therapy	608	0.8
...Antibiotics for Suspected Sepsis	1,717	2.4
...Seizures or Neurological Problems	45	0.1
...Birth Injury	66	0.1
<b>Congenital Anomalies</b>	311	0.4
...Anencephaly	13	0.0
...Spina Bifida	22	0.0
...Cyanotic Heart Disease	37	0.1
...Diaphragmatic Hernia	12	0.0
...Omphalocele	22	0.0
...Gastrochisis	31	0.0
...Limb Reduction	9	0.0
...Cleft Lip (with or without Cleft Palate)	48	0.1
...Cleft Palate (alone)	19	0.0
...Down Syndrome	27	0.0
...Other Chromosomal	20	0.0
...Hypospadias	75	0.1
<b>Maternal Morbidity</b>	1,260	1.7
...Maternal Transfusion	359	0.5
...Perinatal Laceration (3rd or 4th degree)	678	0.9
...Ruptured Uterus	34	0.0
...Unplanned Hysterectomy	30	0.0
...Admission to ICU	120	0.2
...Unplanned OR Procedure	189	0.3

\* Percent of Cephalic Version

\*\* Percent of Cesarean Births

\*\*\* Percent of Previous Cesarean Deliveries



**Table 6. Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order: Missouri, 2017**

		All Live Births						Out-of-Wedlock Births					
		Total	Live Birth Order					Total	Live Birth Order				
			1st	2nd	3rd	4th	5th or More		1st	2nd	3rd	4th	5th or More
<b>All Races</b>	All Ages	73,017	26,673	23,593	13,020	5,626	4,105	29,161	12,180	8,370	4,765	2,239	1,607
	Under 15	21	21	0	0	0	0	21	21	0	0	0	0
	15-17	999	946	48	5	0	0	958	912	42	4	0	0
	18-19	3,301	2,643	575	70	10	3	2,882	2,311	500	59	9	3
	20-24	16,633	8,248	5,599	2,057	554	175	10,626	5,451	3,432	1,283	353	107
	25-29	23,029	8,065	7,801	4,391	1,817	955	8,326	2,278	2,749	1,921	856	522
	30-34	19,256	4,853	6,710	4,314	1,910	1,469	4,161	796	1,146	1,046	634	539
	35-39	8,255	1,601	2,503	1,882	1,127	1,142	1,825	344	432	377	326	346
	40-44	1,420	267	335	284	197	337	328	54	64	71	56	83
	45 and Over	85	19	16	15	11	24	22	4	3	3	5	7
	Unknown	18	10	6	2	0	0	12	9	2	1	0	0
<b>White, Non-Hispanic</b>	All Ages	53,633	19,974	17,871	9,427	3,833	2,528	17,334	7,780	5,070	2,661	1,154	669
	Under 15	10	10	0	0	0	0	10	10	0	0	0	0
	15-17	605	585	17	3	0	0	577	561	14	2	0	0
	18-19	2,149	1,729	375	39	6	0	1,825	1,471	318	31	5	0
	20-24	11,530	5,834	3,950	1,324	338	84	6,493	3,487	2,106	693	169	38
	25-29	17,163	6,421	5,915	3,072	1,219	536	4,787	1,438	1,621	1,061	451	216
	30-34	15,008	3,931	5,446	3,342	1,350	939	2,405	529	695	610	334	237
	35-39	6,129	1,247	1,920	1,441	795	726	1,024	238	273	216	160	137
	40-44	973	198	234	194	119	228	194	38	39	45	33	39
	45 and Over	52	12	9	10	6	15	11	2	3	2	2	2
	Unknown	14	7	5	2	0	0	8	6	1	1	0	0
<b>Black, Non-Hispanic</b>	All Ages	10,467	3,374	2,954	2,060	1,067	1,012	7,967	2,803	2,249	1,462	763	690
	Under 15	5	5	0	0	0	0	5	5	0	0	0	0
	15-17	224	206	16	2	0	0	221	204	15	2	0	0
	18-19	645	507	116	16	3	3	628	493	113	16	3	3
	20-24	3,080	1,418	964	478	159	61	2,803	1,302	876	429	146	50
	25-29	3,301	739	1,062	807	400	293	2,514	550	818	612	305	229
	30-34	2,005	333	519	507	309	337	1,207	175	308	291	208	225
	35-39	988	133	231	214	162	248	506	63	102	100	88	153
	40-44	198	29	41	31	32	65	74	9	16	11	11	27
	45 and Over	20	4	4	5	2	5	8	2	0	1	2	3
	Unknown	1	0	1	0	0	0	1	0	1	0	0	0



**Table 7. Teen-Age Resident Live Births by Race and Age of Mother by Marital Status  
and Live Birth Order with Percentages: Missouri, 2017**

		<u>All Live Births</u>				<u>Out-of-Wedlock Births</u>				<u>Percent Out-of-Wedlock</u>			
		Total	<u>Live Birth Order</u>			Total	<u>Live Birth Order</u>			Total	<u>Live Birth Order</u>		
			1st	2nd	3rd or More		1st	2nd	3rd or More		1st	2nd	3rd or More
<b>All Races</b>	<b>All Ages</b>	4,321	3,610	623	88	3,861	3,244	542	75	89.4	89.9	87.0	85.2
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	7	7	0	0	7	7	0	0	100.0	100.0	---	---
	14	14	14	0	0	14	14	0	0	100.0	100.0	---	---
	15	99	99	0	0	97	97	0	0	98.0	98.0	---	---
	16	251	242	9	0	236	228	8	0	94.0	94.2	88.9	---
	17	649	605	39	5	625	587	34	4	96.3	97.0	87.2	80.0
	18	1,212	1,025	165	22	1,094	931	142	21	90.3	90.8	86.1	95.5
	19	2,089	1,618	410	61	1,788	1,380	358	50	85.6	85.3	87.3	82.0
<b>White, Non-Hispanic</b>	<b>All Ages</b>	2,764	2,324	392	48	2,412	2,042	332	38	87.3	87.9	84.7	79.2
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	3	3	0	0	3	3	0	0	100.0	100.0	---	---
	14	7	7	0	0	7	7	0	0	100.0	100.0	---	---
	15	50	50	0	0	49	49	0	0	98.0	98.0	---	---
	16	145	143	2	0	131	130	1	0	90.3	90.9	50.0	---
	17	410	392	15	3	397	382	13	2	96.8	97.4	86.7	66.7
	18	787	667	107	13	694	593	89	12	88.2	88.9	83.2	92.3
	19	1,362	1,062	268	32	1,131	878	229	24	83.0	82.7	85.4	75.0
<b>Black, Non-Hispanic</b>	<b>All Ages</b>	874	718	132	24	854	702	128	24	97.7	97.8	97.0	100.0
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	2	2	0	0	2	2	0	0	100.0	100.0	---	---
	14	3	3	0	0	3	3	0	0	100.0	100.0	---	---
	15	32	32	0	0	31	31	0	0	96.9	96.9	---	---
	16	52	49	3	0	52	49	3	0	100.0	100.0	100.0	---
	17	140	125	13	2	138	124	12	2	98.6	99.2	92.3	100.0
	18	216	179	30	7	211	176	28	7	97.7	98.3	93.3	100.0
	19	429	328	86	15	417	317	85	15	97.2	96.6	98.8	100.0

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight  
by Race and Age of Mother: Missouri, 2017**

		Percent Low Birth Weight	Total	Birth Weight (Grams)										Unknown
				Less Than 500	500-999	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500 or More	
<b>All Races</b>	All Ages	8.7	73,017	122	383	606	1,283	3,963	13,117	27,572	19,844	5,238	847	42
	Under 15	9.5	21	0	0	0	1	1	6	7	6	0	0	0
	15-17	10.4	999	3	3	9	21	68	217	419	217	38	4	0
	18-19	10.7	3,301	8	26	42	65	211	720	1,334	741	133	18	3
	20-24	9.0	16,633	27	91	145	304	935	3,351	6,620	4,102	918	129	11
	25-29	8.5	23,029	35	118	185	390	1,217	4,049	8,677	6,427	1,658	260	13
	30-34	7.8	19,256	26	97	135	307	929	3,126	7,055	5,623	1,660	290	8
	35-39	9.4	8,255	21	37	77	150	488	1,356	2,944	2,350	709	118	5
	40 and Over	12.1	1,505	1	11	13	44	113	289	508	374	122	28	2
<b>White, Non- Hispanic</b>	All Ages	7.4	53,633	62	206	378	811	2,527	8,601	20,058	15,857	4,402	694	37
	Under 15	20.0	10	0	0	0	1	1	2	4	2	0	0	0
	15-17	8.8	605	2	2	6	9	34	126	240	148	34	4	0
	18-19	8.4	2,149	2	13	17	35	113	438	863	553	99	15	1
	20-24	7.5	11,530	13	40	88	170	549	2,016	4,632	3,140	763	109	10
	25-29	7.2	17,163	19	58	111	261	790	2,695	6,369	5,229	1,406	213	12
	30-34	6.9	15,008	15	65	100	203	651	2,224	5,422	4,664	1,425	232	7
	35-39	8.2	6,129	9	19	47	101	329	925	2,179	1,843	576	96	5
	40 and Over	10.6	1,025	1	9	9	30	59	173	343	275	99	25	2
<b>Black, Non- Hispanic</b>	All Ages	15.4	10,467	45	119	162	330	956	2,782	3,926	1,747	339	60	1
	Under 15	0.0	5	0	0	0	0	0	1	2	2	0	0	0
	15-17	18.3	224	1	1	3	9	27	56	94	31	2	0	0
	18-19	19.4	645	5	9	20	19	72	188	236	79	17	0	0
	20-24	15.6	3,080	12	35	43	109	283	900	1,182	437	68	11	0
	25-29	15.1	3,301	12	43	60	92	292	853	1,246	575	108	19	1
	30-34	13.2	2,005	9	18	17	64	156	499	760	383	79	20	0
	35-39	16.5	988	6	12	18	31	96	222	330	207	57	9	0
	40 and Over	17.4	218	0	1	1	6	30	63	75	33	8	1	0



**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2017**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
State Total	73,017	53,633	10,467	29,161	17,334	7,967	39.9	32.3	76.1
Adair	266	226	23	86	74	6	32.3	32.7	26.1
Andrew	197	186	1	77	70	1	39.1	37.6	100.0
Atchison	51	50	0	20	20	0	39.2	40.0	---
Audrain	326	282	24	150	124	15	46.0	44.0	62.5
Barry	421	336	0	153	118	0	36.3	35.1	---
Barton	128	124	0	47	43	0	36.7	34.7	---
Bates	199	188	1	83	81	1	41.7	43.1	100.0
Benton	171	168	0	81	78	0	47.4	46.4	---
Bollinger	125	119	1	37	34	1	29.6	28.6	100.0
Boone	2,073	1,517	274	653	353	200	31.5	23.3	73.0
Buchanan	1,102	870	56	584	443	45	53.0	50.9	80.4
Butler	516	447	37	256	206	31	49.6	46.1	83.8
Caldwell	85	83	0	37	37	0	43.5	44.6	---
Callaway	466	423	16	209	181	15	44.8	42.8	93.8
Camden	410	372	5	165	148	4	40.2	39.8	80.0
Cape Girardeau	892	708	111	336	209	89	37.7	29.5	80.2
Carroll	80	76	1	33	30	1	41.3	39.5	100.0
Carter	70	66	0	40	38	0	57.1	57.6	---
Cass	1,117	950	43	373	293	22	33.4	30.8	51.2
Cedar	177	169	0	65	62	0	36.7	36.7	---
Chariton	82	80	0	25	24	0	30.5	30.0	---
Christian	1,034	950	4	273	245	1	26.4	25.8	25.0
Clark	72	70	0	28	28	0	38.9	40.0	---
Clay	3,054	2,323	259	988	659	123	32.4	28.4	47.5
Clinton	228	217	1	84	80	0	36.8	36.9	0.0
Cole	845	628	128	329	194	96	38.9	30.9	75.0
Cooper	196	171	10	84	64	9	42.9	37.4	90.0
Crawford	254	246	0	133	128	0	52.4	52.0	---
Dade	70	67	0	23	22	0	32.9	32.8	---
Dallas	204	199	0	68	66	0	33.3	33.2	---
Daviess	119	118	0	22	21	0	18.5	17.8	---
Dekalb	96	90	1	34	30	1	35.4	33.3	100.0
Dent	171	159	0	67	64	0	39.2	40.3	---
Douglas	159	148	1	51	46	1	32.1	31.1	100.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2017**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Dunklin	373	278	59	228	151	54	61.1	54.3	91.5
Franklin	1,256	1,177	11	479	443	4	38.1	37.6	36.4
Gasconade	156	150	0	54	52	0	34.6	34.7	---
Gentry	86	84	0	26	24	0	30.2	28.6	---
Greene	3,340	2,854	100	1,263	1,031	60	37.8	36.1	60.0
Grundy	157	150	1	53	50	0	33.8	33.3	0.0
Harrison	90	86	0	35	33	0	38.9	38.4	---
Henry	235	213	0	109	98	0	46.4	46.0	---
Hickory	80	78	0	30	30	0	37.5	38.5	---
Holt	38	36	0	15	14	0	39.5	38.9	---
Howard	117	105	5	44	33	5	37.6	31.4	100.0
Howell	521	491	2	188	172	1	36.1	35.0	50.0
Iron	103	100	0	53	51	0	51.5	51.0	---
Jackson	9,295	4,782	2,542	4,541	1,515	1,953	48.9	31.7	76.8
Jasper	1,594	1,248	17	725	517	9	45.5	41.4	52.9
Jefferson	2,516	2,337	29	972	884	19	38.6	37.8	65.5
Johnson	716	591	24	182	153	10	25.4	25.9	41.7
Knox	53	52	0	7	7	0	13.2	13.5	---
Laclede	497	463	4	212	192	3	42.7	41.5	75.0
Lafayette	355	323	2	152	139	2	42.8	43.0	100.0
Lawrence	507	429	2	195	160	2	38.5	37.3	100.0
Lewis	125	121	2	55	52	1	44.0	43.0	50.0
Lincoln	746	688	11	297	267	6	39.8	38.8	54.5
Linn	136	125	1	45	40	0	33.1	32.0	0.0
Livingston	165	159	1	70	65	1	42.4	40.9	100.0
McDonald	353	237	11	165	106	2	46.7	44.7	18.2
Macon	193	179	2	68	61	2	35.2	34.1	100.0
Madison	136	131	0	50	48	0	36.8	36.6	---
Maries	73	65	0	23	17	0	31.5	26.2	---
Marion	363	312	17	149	124	11	41.0	39.7	64.7
Mercer	56	54	0	11	10	0	19.6	18.5	---
Miller	284	273	1	121	117	0	42.6	42.9	0.0
Mississippi	148	101	42	98	59	35	66.2	58.4	83.3
Moniteau	202	185	0	63	58	0	31.2	31.4	---
Monroe	88	78	2	33	27	2	37.5	34.6	100.0



**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2017**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Montgomery	116	113	0	54	54	0	46.6	47.8	---
Morgan	282	272	1	93	86	1	33.0	31.6	100.0
New Madrid	240	182	47	132	81	42	55.0	44.5	89.4
Newton	697	534	2	268	189	2	38.5	35.4	100.0
Nodaway	200	192	1	60	58	1	30.0	30.2	100.0
Oregon	104	97	0	38	35	0	36.5	36.1	---
Osage	153	152	0	31	31	0	20.3	20.4	---
Ozark	97	95	0	35	34	0	36.1	35.8	---
Pemiscot	257	156	84	176	92	76	68.5	59.0	90.5
Perry	223	204	1	81	70	1	36.3	34.3	100.0
Pettis	599	482	19	233	175	14	38.9	36.3	73.7
Phelps	490	402	5	169	152	3	34.5	37.8	60.0
Pike	223	205	7	79	67	4	35.4	32.7	57.1
Platte	1,190	881	116	302	193	48	25.4	21.9	41.4
Polk	384	369	1	124	120	0	32.3	32.5	0.0
Pulaski	692	492	63	177	117	25	25.6	23.8	39.7
Putnam	57	56	0	19	19	0	33.3	33.9	---
Ralls	115	113	1	40	40	0	34.8	35.4	0.0
Randolph	292	265	9	140	124	8	47.9	46.8	88.9
Ray	270	255	0	118	112	0	43.7	43.9	---
Reynolds	59	56	0	26	25	0	44.1	44.6	---
Ripley	140	133	1	64	59	1	45.7	44.4	100.0
St. Charles	4,459	3,754	224	1,058	791	129	23.7	21.1	57.6
St. Clair	95	90	0	35	34	0	36.8	37.8	---
St. Francois	728	684	5	349	319	3	47.9	46.6	60.0
Ste. Genevieve	189	183	0	75	73	0	39.7	39.9	---
St. Louis City	4,151	1,495	2,110	2,362	361	1,759	56.9	24.1	83.4
St. Louis County	11,356	6,022	3,762	4,495	1,132	2,907	39.6	18.8	77.3
Saline	237	191	9	118	90	8	49.8	47.1	88.9
Schuyler	81	78	0	19	18	0	23.5	23.1	---
Scotland	81	79	0	8	8	0	9.9	10.1	---
Scott	495	393	82	249	169	69	50.3	43.0	84.1
Shannon	96	89	0	39	36	0	40.6	40.4	---
Shelby	72	69	0	22	20	0	30.6	29.0	---
Stoddard	333	318	6	141	133	6	42.3	41.8	100.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2017**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Stone	259	236	1	106	93	1	40.9	39.4	100.0
Sullivan	77	50	4	34	20	2	44.2	40.0	50.0
Taney	606	533	6	262	226	3	43.2	42.4	50.0
Texas	291	282	0	106	99	0	36.4	35.1	---
Vernon	234	223	1	95	89	1	40.6	39.9	100.0
Warren	409	375	11	156	134	9	38.1	35.7	81.8
Washington	289	280	1	146	142	0	50.5	50.7	0.0
Wayne	150	147	0	73	72	0	48.7	49.0	---
Webster	559	532	0	138	125	0	24.7	23.5	---
Worth	22	21	0	7	7	0	31.8	33.3	---
Wright	259	242	2	104	97	0	40.2	40.1	0.0

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Joplin	688	539	13	341	254	7	49.6	47.1	53.8
...Jasper Co. Part	633	499	12	315	238	6	49.8	47.7	50.0
...Newton Co. Part	55	40	1	26	16	1	47.3	40.0	100.0
Kansas City	7,000	3,169	2,206	3,309	837	1,627	47.3	26.4	73.8
...Jackson Co. Part	4,569	1,486	1,919	2,594	428	1,492	56.8	28.8	77.7
...Clay Co. Part	1,801	1,263	205	548	319	98	30.4	25.3	47.8
...Platte Co. Part	627	419	82	167	90	37	26.6	21.5	45.1
...Cass Co. Part	3	1	0	0	0	0	0.0	0.0	---



**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2017**

Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Ballwin	283	234	7	35	27	3	12.4	11.5	42.9
Blue Springs	687	542	54	223	161	33	32.5	29.7	61.1
Cape Girardeau	440	291	103	216	108	84	49.1	37.1	81.6
Chesterfield	369	248	14	31	15	7	8.4	6.0	50.0
Columbia	1,386	936	218	424	190	157	30.6	20.3	72.0
Florissant	684	257	362	381	102	248	55.7	39.7	68.5
Gladstone	321	230	29	134	90	14	41.7	39.1	48.3
Hazelwood	317	83	181	168	23	125	53.0	27.7	69.1
Independence	1,557	1,009	178	866	498	144	55.6	49.4	80.9
Jefferson City	506	325	117	221	104	89	43.7	32.0	76.1
Kirkwood	327	281	21	32	17	11	9.8	6.0	52.4
Lee's Summit	1,007	796	91	222	133	56	22.0	16.7	61.5
Liberty	372	326	16	112	91	8	30.1	27.9	50.0
Maryland Heights	360	155	68	83	38	33	23.1	24.5	48.5
O'Fallon	992	819	30	215	169	13	21.7	20.6	43.3
Raytown	337	165	110	185	67	84	54.9	40.6	76.4
St. Charles	759	582	59	229	151	37	30.2	25.9	62.7
St. Joseph	963	743	54	525	391	43	54.5	52.6	79.6
St. Louis City	4,151	1,495	2,110	2,362	361	1,759	56.9	24.1	83.4
St. Peters	675	571	33	142	108	15	21.0	18.9	45.5
Springfield	1,890	1,553	72	882	698	49	46.7	44.9	68.1
University City	449	256	134	141	21	103	31.4	8.2	76.9
Wentzville	564	503	36	123	91	24	21.8	18.1	66.7
Wildwood	231	196	4	22	18	0	9.5	9.2	0.0

**Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2017**

		<u>All Races</u>		<u>White, Non-Hisp.</u>		<u>Black, Non-Hisp.</u>		<u>Other, Non-Hisp.*</u>		<u>Hispanic, Any Race</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		73,017	100.0	53,633	100.0	10,467	100.0	4,692	100.0	4,152	100.0
Birth Weight: Under 2500 Grams		6,357	8.7	3,984	7.4	1,612	15.4	434	9.3	322	7.8
Birth Weight: Above 4499 Grams		847	1.2	694	1.3	60	0.6	51	1.1	42	1.0
Gestational Age: Less than 37 Weeks		7,707	10.6	5,224	9.8	1,577	15.1	495	10.6	406	9.8
APGAR (5 Minutes): Less than 8		3,806	5.2	2,587	4.9	803	7.7	240	5.1	173	4.2
Infant Care: NICU Admission		6,244	8.6	4,224	7.9	1,272	12.2	406	8.7	335	8.1
Infant Care: Transfer to Other Facility		1,128	1.5	773	1.4	235	2.2	68	1.4	50	1.2
Place of Birth: At-Home Delivery		1,164	1.6	1,046	2.0	51	0.5	35	0.7	28	0.7
Method of Delivery: Cesarean		21,914	30.1	15,993	29.9	3,295	31.5	1,454	31.1	1,150	27.7
Infant Care: Breastfed After Delivery		56,727	79.7	42,881	82.0	6,615	65.0	3,806	83.2	3,367	82.9
Maternal Smoking: During Pregnancy		10,452	14.5	8,562	16.1	1,111	10.8	514	11.1	259	6.3
...Quit Smoking During Pregnancy		2,218	21.2	1,747	20.4	295	26.6	103	20.0	73	28.2
Mat. Weight: Underweight (BMI < 18.5)		2,760	3.8	2,032	3.8	365	3.6	253	5.5	110	2.8
Mat. Weight: Obese (BMI ≥ 30)		20,175	28.0	14,203	26.7	3,782	37.0	1,024	22.3	1,157	29.0
Mat. Sing. Wt. Gain: Low (< 15 lbs)		8,379	13.4	5,522	11.8	1,689	20.5	572	14.5	593	16.6
Mat. Sing. Wt. Gain: High (> 45 lbs)		12,734	20.4	9,777	21.0	1,627	19.8	724	18.3	596	16.6
Mother's Education: Under 12 Yrs.		8,761	12.0	5,483	10.2	1,484	14.3	576	12.3	1,204	29.2
Marital Status: Out-of-Wedlock		29,161	39.9	17,334	32.3	7,967	76.1	1,738	37.0	2,086	50.2
Live Birth Order: 4 or More		9,731	13.4	6,361	11.9	2,079	19.9	538	11.5	741	17.9
Birth Spacing: Less than 18 Months		5,106	11.9	3,466	11.1	1,022	15.7	296	11.7	320	12.2
Prenatal Care: 1st Trimester		49,539	72.5	38,962	76.1	5,307	59.3	2,893	67.0	2,336	61.0
Prenatal Care: 2nd Trimester		14,523	21.2	9,650	18.8	2,708	30.3	1,059	24.5	1,090	28.5
Prenatal Care: 3rd Trimester		3,364	4.9	2,050	4.0	686	7.7	287	6.6	336	8.8
Prenatal Care: None		944	1.4	545	1.1	250	2.8	82	1.9	65	1.7
Prenatal Care: Inadequate		13,471	20.0	8,148	16.1	3,091	35.0	1,066	25.0	1,145	30.2
Maternal Utilization: Medicaid		27,915	38.8	16,633	31.4	7,065	68.5	1,869	40.5	2,312	56.6
Maternal Utilization: WIC		26,740	37.5	16,745	31.7	5,936	59.1	1,752	39.4	2,286	56.3
Maternal Utilization: Food Stamps		18,473	27.4	10,544	21.1	5,734	60.3	1,160	27.5	1,016	27.5
Mother's Age: At Delivery	Under 15	21	0.0	10	0.0	5	0.0			6	0.1
	15-17	999	1.4	605	1.1	224	2.1	76	1.6	88	2.1
	18-19	3,301	4.5	2,149	4.0	645	6.2	227	4.8	277	6.7
	20-24	16,633	22.8	11,530	21.5	3,080	29.4	985	21.0	1,027	24.7
	25-29	23,029	31.5	17,163	32.0	3,301	31.5	1,347	28.7	1,196	28.8
	30-34	19,256	26.4	15,008	28.0	2,005	19.2	1,279	27.3	948	22.8
	35-39	8,255	11.3	6,129	11.4	988	9.4	641	13.7	486	11.7
	40 and over	1,505	2.1	1,025	1.9	218	2.1	134	2.9	124	3.0

\* Includes births to mothers of multiple races, but not mothers of unknown race.



**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2017**

		<u>Northeast</u>		<u>Northwest</u>		<u>Central</u>		<u>Southeast</u>		<u>Southwest</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,991	100.0	2,797	100.0	8,437	100.0	6,704	100.0	11,148	100.0
Birth Weight: Under 2500 Grams		246	8.2	208	7.4	729	8.6	649	9.7	819	7.3
Birth Weight: Above 4499 Grams		48	1.6	29	1.0	119	1.4	78	1.2	133	1.2
Gestational Age: Less than 37 Weeks		331	11.1	264	9.4	892	10.6	733	11.0	1,107	9.9
APGAR (5 Minutes): Less than 8		204	6.9	101	3.6	575	6.8	281	4.2	535	4.9
Infant Care: NICU Admission		217	7.3	203	7.3	784	9.3	453	6.8	916	8.2
Infant Care: Transfer to Other Facility		78	2.6	64	2.3	145	1.7	213	3.2	112	1.0
Place of Birth: At-Home Delivery		191	6.4	77	2.8	129	1.5	85	1.3	322	2.9
Method of Delivery: Cesarean		910	30.5	782	28.0	2,516	29.8	2,157	32.2	3,140	28.3
Infant Care: Breastfed After Delivery		2,285	79.6	2,060	74.7	6,563	80.8	4,241	65.3	9,182	83.9
Maternal Smoking: During Pregnancy		591	20.0	517	18.6	1,554	18.6	1,510	22.8	1,960	17.8
...Quit Smoking During Pregnancy		103	17.4	91	17.6	290	18.7	282	18.7	433	22.1
Mat. Weight: Underweight (BMI < 18.5)		106	3.6	100	3.6	325	3.9	305	4.6	491	4.5
Mat. Weight: Obese (BMI ≥ 30)		960	32.9	787	28.5	2,372	28.5	2,083	31.3	3,092	28.1
Mat. Sing. Wt. Gain: Low (< 15 lbs)		426	16.7	302	12.3	1,027	14.1	850	14.9	1,317	13.5
Mat. Sing. Wt. Gain: High (> 45 lbs)		456	17.8	555	22.6	1,483	20.3	1,201	21.0	2,069	21.2
Mother's Education: Under 12 Yrs.		576	19.3	383	13.7	1,079	12.8	1,031	15.4	1,826	16.4
Marital Status: Out-of-Wedlock		1,109	37.1	1,095	39.1	3,077	36.5	3,025	45.1	4,225	37.9
Live Birth Order: 4 or More		520	17.4	403	14.5	1,118	13.3	940	14.0	1,666	15.0
Birth Spacing: Less than 18 Months		233	12.6	206	11.9	595	11.6	580	14.2	887	13.0
Prenatal Care: 1st Trimester		2,154	74.0	2,050	75.9	6,070	74.7	4,574	70.3	7,557	70.2
Prenatal Care: 2nd Trimester		582	20.0	475	17.6	1,608	19.8	1,482	22.8	2,370	22.0
Prenatal Care: 3rd Trimester		157	5.4	136	5.0	375	4.6	365	5.6	646	6.0
Prenatal Care: None		18	0.6	40	1.5	73	0.9	87	1.3	194	1.8
Prenatal Care: Inadequate		630	21.8	476	17.6	1,400	17.5	1,366	21.2	2,451	23.0
Maternal Utilization: Medicaid		1,018	34.3	1,047	37.6	3,063	36.5	3,728	56.2	4,762	43.0
Maternal Utilization: WIC		1,346	45.7	1,078	39.2	3,291	39.6	3,761	56.9	5,048	46.1
Maternal Utilization: Food Stamps		711	26.7	674	25.7	2,134	26.2	2,444	38.6	2,972	28.2
Mother's Age: At Delivery	Under 15	2	0.1			3	0.0	1	0.0	3	0.0
	15-17	48	1.6	36	1.3	129	1.5	135	2.0	179	1.6
	18-19	156	5.2	136	4.9	393	4.7	438	6.5	674	6.0
	20-24	872	29.2	755	27.0	2,066	24.5	2,145	32.0	3,127	28.1
	25-29	1,019	34.1	928	33.2	2,827	33.5	2,251	33.6	3,559	31.9
	30-34	593	19.8	638	22.8	2,034	24.1	1,189	17.7	2,421	21.7
	35-39	254	8.5	257	9.2	833	9.9	471	7.0	983	8.8
	40 and over	47	1.6	46	1.6	146	1.7	73	1.1	200	1.8



**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2017**

		<u>St. Louis Region</u>		<u>Kansas City Region</u>		<u>Metro</u>		<u>Non-Metro</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		25,147	100.0	15,793	100.0	55,312	100.0	17,705	100.0
Birth Weight: Under 2500 Grams		2,402	9.6	1,304	8.3	4,804	8.7	1,553	8.8
Birth Weight: Above 4499 Grams		268	1.1	172	1.1	611	1.1	236	1.3
Gestational Age: Less than 37 Weeks		2,808	11.2	1,572	10.0	5,786	10.5	1,921	10.9
APGAR (5 Minutes): Less than 8		1,332	5.3	778	4.9	2,799	5.1	1,007	5.7
Infant Care: NICU Admission		2,120	8.4	1,551	9.8	4,984	9.0	1,260	7.1
Infant Care: Transfer to Other Facility		394	1.6	122	0.8	648	1.2	480	2.7
Place of Birth: At-Home Delivery		140	0.6	220	1.4	618	1.1	546	3.1
Method of Delivery: Cesarean		8,144	32.6	4,265	27.0	16,575	30.1	5,339	30.3
Infant Care: Breastfed After Delivery		19,662	80.2	12,734	82.1	43,933	81.3	12,794	74.5
Maternal Smoking: During Pregnancy		2,500	10.1	1,820	11.6	6,644	12.1	3,808	21.7
...Quit Smoking During Pregnancy		567	22.7	452	24.8	1,512	22.8	706	18.5
Mat. Weight: Underweight (BMI < 18.5)		898	3.6	535	3.4	1,993	3.7	767	4.4
Mat. Weight: Obese (BMI ≥ 30)		6,447	26.0	4,434	28.5	14,833	27.2	5,342	30.6
Mat. Sing. Wt. Gain: Low (< 15 lbs)		2,502	11.9	1,955	14.4	6,075	12.9	2,304	15.1
Mat. Sing. Wt. Gain: High (> 45 lbs)		4,275	20.4	2,695	19.8	9,625	20.4	3,109	20.4
Mother's Education: Under 12 Yrs.		2,046	8.2	1,820	11.6	5,838	10.6	2,923	16.6
Marital Status: Out-of-Wedlock		9,952	39.6	6,678	42.3	22,030	39.8	7,131	40.3
Live Birth Order: 4 or More		2,954	11.8	2,130	13.6	7,012	12.7	2,719	15.4
Birth Spacing: Less than 18 Months		1,551	10.9	1,054	11.4	3,660	11.3	1,446	13.4
Prenatal Care: 1st Trimester		16,607	74.8	10,527	69.5	37,319	72.8	12,220	71.5
Prenatal Care: 2nd Trimester		4,501	20.3	3,505	23.1	10,813	21.1	3,710	21.7
Prenatal Care: 3rd Trimester		870	3.9	815	5.4	2,420	4.7	944	5.5
Prenatal Care: None		236	1.1	296	2.0	739	1.4	205	1.2
Prenatal Care: Inadequate		3,907	17.8	3,241	21.8	9,894	19.6	3,577	21.1
Maternal Utilization: Medicaid		8,141	33.2	6,156	39.5	19,715	36.2	8,200	46.7
Maternal Utilization: WIC		6,981	28.7	5,235	33.8	17,853	33.1	8,887	50.9
Maternal Utilization: Food Stamps		6,017	25.0	3,521	27.2	13,154	25.9	5,319	32.1
Mother's Age: At Delivery	Under 15	5	0.0	7	0.0	17	0.0	4	0.0
	15-17	256	1.0	216	1.4	690	1.2	309	1.7
	18-19	785	3.1	719	4.6	2,223	4.0	1,078	6.1
	20-24	4,245	16.9	3,423	21.7	11,247	20.3	5,386	30.4
	25-29	7,600	30.2	4,845	30.7	17,135	31.0	5,894	33.3
	30-34	7,994	31.8	4,387	27.8	15,864	28.7	3,392	19.2
	35-39	3,608	14.4	1,849	11.7	6,879	12.4	1,376	7.8
	40 and over	647	2.6	346	2.2	1,245	2.3	260	1.5



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Adair</u>		<u>Andrew</u>		<u>Atchison</u>		<u>Audrain</u>		<u>Barry</u>		<u>Barton</u>		<u>Bates</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		266	100.0	197	100.0	51	100.0	326	100.0	421	100.0	128	100.0	199	100.0
Birth Weight: Under 2500 Grams		26	9.8	5	2.5	3	5.9	44	13.5	39	9.3	10	7.8	9	4.5
Birth Weight: Above 4499 Grams		7	2.6	3	1.5	0	0.0	4	1.2	3	0.7	0	0.0	1	0.5
Gest. Age: Less than 37 Weeks		26	9.8	9	4.6	7	13.7	47	14.4	57	13.5	20	15.6	19	9.5
APGAR (5 Min.): Less than 8		36	13.5	2	1.0	2	3.9	28	8.6	31	7.4	10	7.8	8	4.0
Infant Care: NICU Admission		20	7.5	7	3.6	2	3.9	42	12.9	41	9.7	18	14.1	12	6.0
Infant Care: Transfer		11	4.1	3	1.5	2	3.9	11	3.4	13	3.1	2	1.6	3	1.5
Place of Birth: At-Home Delivery		14	5.3	0	0.0	1	2.0	26	8.0	6	1.4	9	7.0	7	3.5
Method of Delivery: Cesarean		78	29.3	49	24.9	23	45.1	121	37.1	124	29.5	41	32.0	57	28.8
Infant Care: Breastfed		223	85.8	155	79.1	41	80.4	205	67.7	323	78.6	107	84.9	150	77.7
Mat. Smoking: During Preg.		42	16.0	21	10.7	14	27.5	92	28.7	87	20.7	27	21.4	39	19.6
...Quit Smoking During Preg.		9	21.4	6	28.6	5	35.7	12	13.0	18	20.7	4	14.8	7	17.9
Mat. Wt.: Underweight		7	2.7	6	3.0	1	2.0	6	1.9	18	4.3	3	2.4	8	4.0
Mat. Wt.: Obese		71	27.3	72	36.5	18	35.3	102	32.0	118	28.4	26	20.6	56	28.3
Mat. Sing. Wt. Gain: Low		40	16.8	25	13.6	6	13.6	48	17.6	55	15.2	14	13.0	21	12.0
Mat. Sing. Wt. Gain: High		43	18.1	50	27.2	12	27.3	44	16.1	82	22.7	15	13.9	28	16.0
Mother's Education: Under 12 Yrs.		34	12.9	4	2.0	1	2.0	83	25.5	92	21.9	23	18.1	33	16.6
Marital Status: Out-of-Wedlock		86	32.3	77	39.1	20	39.2	150	46.0	153	36.3	47	36.7	83	41.7
Live Birth Order: 4 or More		43	16.3	17	8.6	3	5.9	56	17.2	78	18.6	14	10.9	31	15.7
Birth Spacing: Less than 18 Mos.		18	11.9	12	9.2	1	3.8	23	10.9	39	14.2	12	15.0	14	10.6
Prenatal Care: 1st Trimester		199	76.0	174	90.2	38	76.0	209	67.9	279	67.6	91	74.0	144	73.1
Prenatal Care: 2nd Trimester		46	17.6	15	7.8	10	20.0	76	24.7	103	24.9	24	19.5	42	21.3
Prenatal Care: 3rd Trimester		15	5.7	3	1.6	2	4.0	22	7.1	21	5.1	7	5.7	7	3.6
Prenatal Care: None		2	0.8	1	0.5	0	0.0	1	0.3	10	2.4	1	0.8	4	2.0
Prenatal Care: Inadequate		48	18.3	13	6.7	12	24.0	83	26.9	94	22.9	21	17.2	39	20.1
Maternal Utilization: Medicaid		74	27.8	56	28.4	10	19.6	124	38.4	231	55.5	56	44.1	95	49.2
Maternal Utilization: WIC		138	52.9	58	29.7	16	31.4	148	46.1	242	58.2	64	50.8	88	44.4
Maternal Utilization: FSP		70	28.7	32	17.2	7	17.5	104	33.1	138	36.2	30	27.8	45	28.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	1	0.5
	15-17	5	1.9	1	0.5	0	0.0	1	0.3	8	1.9	4	3.1	4	2.0
	18-19	16	6.0	6	3.0	0	0.0	18	5.5	32	7.6	11	8.6	8	4.0
	20-24	62	23.3	49	24.9	12	23.5	99	30.4	134	31.8	42	32.8	69	34.7
	25-29	82	30.8	70	35.5	23	45.1	117	35.9	132	31.4	46	35.9	50	25.1
	30-34	73	27.4	49	24.9	13	25.5	63	19.3	73	17.3	18	14.1	47	23.6
	35-39	26	9.8	20	10.2	3	5.9	16	4.9	31	7.4	6	4.7	17	8.5
	40 and over	2	0.8	2	1.0	0	0.0	11	3.4	11	2.6	1	0.8	3	1.5



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Benton</u>		<u>Bollinger</u>		<u>Boone</u>		<u>Buchanan</u>		<u>Butler</u>		<u>Caldwell</u>		<u>Callaway</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		171	100.0	125	100.0	2,073	100.0	1,102	100.0	516	100.0	85	100.0	466	100.0
Birth Weight: Under 2500 Grams		18	10.5	9	7.2	196	9.5	101	9.2	51	9.9	7	8.2	34	7.3
Birth Weight: Above 4499 Grams		0	0.0	1	0.8	16	0.8	8	0.7	5	1.0	0	0.0	12	2.6
Gest. Age: Less than 37 Weeks		22	12.9	10	8.0	225	10.9	120	10.9	70	13.6	9	10.6	41	8.8
APGAR (5 Min.): Less than 8		12	7.0	6	4.8	143	6.9	26	2.4	19	3.7	6	7.1	24	5.2
Infant Care: NICU Admission		16	9.4	8	6.4	263	12.7	94	8.5	21	4.1	7	8.2	42	9.0
Infant Care: Transfer		4	2.3	1	0.8	6	0.3	38	3.4	21	4.1	3	3.5	5	1.1
Place of Birth: At-Home Delivery		5	2.9	2	1.6	15	0.7	5	0.5	3	0.6	2	2.4	2	0.4
Method of Delivery: Cesarean		55	32.4	39	31.2	712	34.3	295	26.8	143	27.7	21	25.9	145	31.1
Infant Care: Breastfed		124	74.7	80	67.8	1,684	85.7	734	67.5	308	59.9	70	84.3	356	78.2
Mat. Smoking: During Preg.		48	28.2	25	20.3	238	11.7	269	24.6	108	21.1	16	18.8	100	21.7
...Quit Smoking During Preg.		7	14.6	4	16.0	58	24.4	35	13.0	19	17.6	1	6.3	17	17.0
Mat. Wt.: Underweight		8	4.8	2	1.6	63	3.1	46	4.2	19	3.7	2	2.4	19	4.1
Mat. Wt.: Obese		48	28.6	43	34.4	468	23.1	296	26.9	167	32.4	26	31.7	162	35.1
Mat. Sing. Wt. Gain: Low		24	16.7	17	14.8	195	11.0	121	12.5	62	14.7	8	11.3	69	16.6
Mat. Sing. Wt. Gain: High		36	25.0	25	21.7	360	20.3	252	26.0	105	24.8	14	19.7	99	23.9
Mother's Education: Under 12 Yrs.		34	20.0	17	13.6	150	7.3	216	19.6	79	15.3	13	15.3	59	12.7
Marital Status: Out-of-Wedlock		81	47.4	37	29.6	653	31.5	584	53.0	256	49.6	37	43.5	209	44.8
Live Birth Order: 4 or More		27	15.8	17	13.6	214	10.3	175	15.9	62	12.0	7	8.2	46	9.9
Birth Spacing: Less than 18 Mos.		16	15.1	10	12.0	101	8.2	91	13.3	56	17.1	4	8.0	41	14.1
Prenatal Care: 1st Trimester		121	73.3	95	76.6	1,665	81.6	788	73.4	361	70.6	53	66.3	345	75.5
Prenatal Care: 2nd Trimester		35	21.2	23	18.5	305	15.0	202	18.8	118	23.1	23	28.8	83	18.2
Prenatal Care: 3rd Trimester		9	5.5	6	4.8	57	2.8	58	5.4	26	5.1	4	5.0	27	5.9
Prenatal Care: None		0	0.0	0	0.0	13	0.6	25	2.3	6	1.2	0	0.0	2	0.4
Prenatal Care: Inadequate		33	20.1	15	12.2	250	12.6	202	18.8	96	18.8	14	17.7	85	18.8
Maternal Utilization: Medicaid		98	58.0	56	45.2	546	26.4	563	51.1	338	65.6	36	42.9	161	34.5
Maternal Utilization: WIC		101	59.1	65	52.4	578	28.7	503	46.7	338	66.3	36	42.9	182	39.7
Maternal Utilization: FSP		56	34.8	37	29.8	417	21.2	381	37.2	227	46.7	17	21.3	123	27.6
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	4	2.3	1	0.8	24	1.2	27	2.5	8	1.6	5	5.9	9	1.9
	18-19	11	6.4	3	2.4	61	2.9	80	7.3	41	7.9	7	8.2	21	4.5
	20-24	49	28.7	45	36.0	340	16.4	314	28.5	162	31.4	27	31.8	131	28.1
	25-29	61	35.7	43	34.4	666	32.2	343	31.1	171	33.1	19	22.4	162	34.8
	30-34	32	18.7	21	16.8	637	30.8	225	20.4	88	17.1	21	24.7	92	19.7
	35-39	11	6.4	11	8.8	296	14.3	97	8.8	41	7.9	5	5.9	44	9.4
	40 and over	3	1.8	1	0.8	46	2.2	16	1.5	5	1.0	1	1.2	7	1.5



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Camden</u>		<u>Cape Girardeau</u>		<u>Carroll</u>		<u>Carter</u>		<u>Cass</u>		<u>Cedar</u>		<u>Chariton</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		410	100.0	892	100.0	80	100.0	70	100.0	1,117	100.0	177	100.0	82	100.0
Birth Weight: Under 2500 Grams		37	9.0	67	7.5	9	11.3	5	7.1	85	7.6	12	6.8	8	9.9
Birth Weight: Above 4499 Grams		6	1.5	11	1.2	2	2.5	0	0.0	16	1.4	0	0.0	0	0.0
Gest. Age: Less than 37 Weeks		44	10.7	75	8.4	10	12.5	9	12.9	105	9.4	14	8.0	7	8.6
APGAR (5 Min.): Less than 8		30	7.4	33	3.7	9	11.4	3	4.3	57	5.1	8	4.8	4	4.9
Infant Care: NICU Admission		36	8.8	81	9.1	9	11.3	4	5.7	113	10.1	10	5.6	8	9.8
Infant Care: Transfer		13	3.2	9	1.0	2	2.5	5	7.1	6	0.5	5	2.8	2	2.4
Place of Birth: At-Home Delivery		2	0.5	4	0.4	3	3.8	0	0.0	18	1.6	31	17.5	6	7.3
Method of Delivery: Cesarean		116	28.3	249	28.0	27	34.2	20	28.6	305	27.3	46	26.6	19	23.2
Infant Care: Breastfed		300	76.9	640	75.6	55	72.4	40	58.0	956	87.3	139	81.8	66	83.5
Mat. Smoking: During Preg.		101	24.8	147	16.5	18	22.8	26	37.1	145	13.0	44	25.0	11	13.4
...Quit Smoking During Preg.		25	24.8	35	23.8	3	16.7	3	11.5	31	21.4	8	18.2	4	36.4
Mat. Wt.: Underweight		26	6.4	32	3.6	7	8.9	4	5.8	33	3.0	8	4.6	0	0.0
Mat. Wt.: Obese		120	29.3	221	25.0	23	29.1	22	31.9	343	31.1	50	28.7	18	22.0
Mat. Sing. Wt. Gain: Low		45	12.5	88	11.1	7	10.4	6	10.2	105	10.8	30	18.9	7	9.7
Mat. Sing. Wt. Gain: High		72	20.0	167	21.1	12	17.9	22	37.3	199	20.4	35	22.0	11	15.3
Mother's Education: Under 12 Yrs.		44	10.7	87	9.8	11	13.8	16	23.5	98	8.8	53	30.1	11	13.4
Marital Status: Out-of-Wedlock		165	40.2	336	37.7	33	41.3	40	57.1	373	33.4	65	36.7	25	30.5
Live Birth Order: 4 or More		52	12.7	102	11.4	9	11.4	17	24.3	140	12.6	50	28.2	13	16.0
Birth Spacing: Less than 18 Mos.		36	13.7	77	14.1	5	9.6	12	24.0	76	11.4	26	22.6	7	14.0
Prenatal Care: 1st Trimester		295	73.2	650	73.9	57	75.0	39	57.4	812	74.8	104	59.4	66	81.5
Prenatal Care: 2nd Trimester		85	21.1	184	20.9	13	17.1	20	29.4	224	20.6	51	29.1	14	17.3
Prenatal Care: 3rd Trimester		18	4.5	40	4.6	6	7.9	8	11.8	43	4.0	14	8.0	1	1.2
Prenatal Care: None		5	1.2	5	0.6	0	0.0	1	1.5	6	0.6	6	3.4	0	0.0
Prenatal Care: Inadequate		60	14.9	152	17.6	15	19.7	23	33.8	179	17.1	56	32.6	13	16.5
Maternal Utilization: Medicaid		224	54.8	332	37.6	42	53.8	53	75.7	354	32.2	86	48.9	19	23.2
Maternal Utilization: WIC		175	43.2	296	33.5	38	48.1	49	72.1	299	27.4	74	42.8	27	33.3
Maternal Utilization: FSP		128	31.9	233	26.6	24	31.6	33	53.2	149	21.1	48	29.4	15	18.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0
	15-17	7	1.7	14	1.6	1	1.3	0	0.0	14	1.3	2	1.1	1	1.2
	18-19	21	5.1	34	3.8	3	3.8	9	12.9	50	4.5	14	7.9	2	2.4
	20-24	102	24.9	188	21.1	26	32.5	21	30.0	239	21.4	69	39.0	22	26.8
	25-29	151	36.8	322	36.1	31	38.8	23	32.9	368	32.9	44	24.9	29	35.4
	30-34	95	23.2	245	27.5	15	18.8	9	12.9	297	26.6	31	17.5	19	23.2
	35-39	24	5.9	81	9.1	4	5.0	5	7.1	122	10.9	12	6.8	5	6.1
	40 and over	10	2.4	8	0.9	0	0.0	3	4.3	26	2.3	5	2.8	4	4.9



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Christian</u>		<u>Clark</u>		<u>Clay</u>		<u>Clinton</u>		<u>Cole</u>		<u>Cooper</u>		<u>Crawford</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		1,034	100.0	72	100.0	3,054	100.0	228	100.0	845	100.0	196	100.0	254	100.0
Birth Weight: Under 2500 Grams		60	5.8	3	4.2	200	6.6	12	5.3	75	8.9	15	7.7	29	11.5
Birth Weight: Above 4499 Grams		13	1.3	1	1.4	30	1.0	1	0.4	11	1.3	3	1.5	2	0.8
Gest. Age: Less than 37 Weeks		89	8.6	11	15.3	259	8.5	16	7.0	81	9.6	19	9.7	28	11.1
APGAR (5 Min.): Less than 8		41	4.0	4	5.6	155	5.1	14	6.1	55	6.5	18	9.2	13	5.2
Infant Care: NICU Admission		75	7.3	3	4.2	234	7.7	10	4.4	72	8.5	24	12.2	19	7.5
Infant Care: Transfer		6	0.6	4	5.6	30	1.0	3	1.3	14	1.7	0	0.0	11	4.3
Place of Birth: At-Home Delivery		13	1.3	7	9.7	34	1.1	0	0.0	5	0.6	11	5.6	2	0.8
Method of Delivery: Cesarean		236	22.9	21	29.2	832	27.3	59	25.9	227	26.9	54	27.6	89	36.5
Infant Care: Breastfed		910	89.7	48	80.0	2,577	86.1	174	78.7	678	82.8	147	78.6	195	78.9
Mat. Smoking: During Preg.		120	11.8	19	26.4	319	10.5	48	21.1	126	15.0	43	22.3	80	31.7
...Quit Smoking During Preg.		26	21.7	5	26.3	94	29.5	10	20.8	25	19.8	10	23.3	12	15.0
Mat. Wt.: Underweight		36	3.6	5	6.9	82	2.7	10	4.4	30	3.6	5	2.6	10	4.0
Mat. Wt.: Obese		225	22.2	20	27.8	823	27.3	57	25.1	251	30.0	54	28.0	75	29.9
Mat. Sing. Wt. Gain: Low		91	10.0	6	9.8	367	13.6	28	13.4	97	13.1	20	11.8	37	16.9
Mat. Sing. Wt. Gain: High		201	22.1	16	26.2	527	19.6	40	19.1	162	21.9	34	20.0	37	16.9
Mother's Education: Under 12 Yrs.		61	5.9	14	19.4	211	6.9	19	8.3	83	9.8	35	17.9	53	20.9
Marital Status: Out-of-Wedlock		273	26.4	28	38.9	988	32.4	84	36.8	329	38.9	84	42.9	133	52.4
Live Birth Order: 4 or More		113	10.9	8	11.1	318	10.4	30	13.2	91	10.8	30	15.3	33	13.0
Birth Spacing: Less than 18 Mos.		81	12.5	5	11.9	188	10.8	20	15.0	58	11.5	11	10.2	25	16.2
Prenatal Care: 1st Trimester		746	74.7	48	71.6	2,176	73.7	186	82.7	616	74.5	155	79.9	200	80.0
Prenatal Care: 2nd Trimester		190	19.0	16	23.9	620	21.0	32	14.2	171	20.7	32	16.5	34	13.6
Prenatal Care: 3rd Trimester		46	4.6	3	4.5	129	4.4	4	1.8	34	4.1	7	3.6	12	4.8
Prenatal Care: None		17	1.7	0	0.0	29	1.0	3	1.3	6	0.7	0	0.0	4	1.6
Prenatal Care: Inadequate		182	18.4	16	23.2	487	16.6	19	8.5	133	16.3	27	14.4	41	16.5
Maternal Utilization: Medicaid		290	28.3	28	38.9	855	28.2	66	29.2	260	30.8	56	28.6	113	45.7
Maternal Utilization: WIC		330	32.8	35	50.0	680	22.6	72	32.1	280	33.6	55	28.8	159	62.8
Maternal Utilization: FSP		186	18.9	9	23.7	423	15.6	41	18.9	193	23.4	50	26.2	102	42.1
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.0	0	0.0	1	0.1	0	0.0	0	0.0
	15-17	10	1.0	0	0.0	32	1.0	0	0.0	17	2.0	5	2.6	7	2.8
	18-19	34	3.3	7	9.7	103	3.4	15	6.6	41	4.9	7	3.6	16	6.3
	20-24	215	20.8	29	40.3	563	18.4	67	29.4	203	24.0	48	24.5	100	39.5
	25-29	359	34.8	25	34.7	1,001	32.8	77	33.8	252	29.8	62	31.6	75	29.6
	30-34	282	27.3	8	11.1	925	30.3	38	16.7	239	28.3	48	24.5	43	17.0
	35-39	113	10.9	3	4.2	362	11.9	24	10.5	82	9.7	26	13.3	11	4.3
	40 and over	20	1.9	0	0.0	66	2.2	7	3.1	10	1.2	0	0.0	1	0.4



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Dade</u>		<u>Dallas</u>		<u>Daviess</u>		<u>DeKalb</u>		<u>Dent</u>		<u>Douglas</u>		<u>Dunklin</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		70	100.0	204	100.0	119	100.0	96	100.0	171	100.0	159	100.0	373	100.0
Birth Weight: Under 2500 Grams		4	5.7	18	8.8	10	8.4	4	4.2	11	6.4	8	5.1	51	13.7
Birth Weight: Above 4499 Grams		3	4.3	2	1.0	4	3.4	1	1.0	1	0.6	2	1.3	4	1.1
Gest. Age: Less than 37 Weeks		7	10.0	24	11.8	8	6.7	5	5.2	16	9.4	14	8.9	50	13.4
APGAR (5 Min.): Less than 8		4	5.7	12	6.1	5	4.3	4	4.2	9	5.3	0	0.0	21	5.7
Infant Care: NICU Admission		6	8.6	22	10.8	7	5.9	4	4.2	6	3.5	9	5.7	30	8.0
Infant Care: Transfer		0	0.0	3	1.5	3	2.5	2	2.1	7	4.1	4	2.5	21	5.6
Place of Birth: At-Home Delivery		4	5.7	23	11.3	32	26.9	0	0.0	2	1.2	11	6.9	1	0.3
Method of Delivery: Cesarean		18	25.7	58	28.4	26	21.8	35	36.5	51	29.8	31	19.6	131	35.1
Infant Care: Breastfed		58	87.9	164	85.0	101	86.3	79	82.3	151	88.8	134	87.6	145	39.3
Mat. Smoking: During Preg.		12	17.1	46	22.5	12	10.2	20	20.8	45	26.6	29	18.2	95	25.8
...Quit Smoking During Preg.		5	41.7	9	19.6	2	16.7	3	15.0	5	11.1	2	6.9	14	14.7
Mat. Wt.: Underweight		1	1.4	11	5.4	2	2.0	2	2.1	4	2.3	10	6.4	18	4.9
Mat. Wt.: Obese		17	24.6	62	30.7	26	26.5	23	24.0	45	26.3	31	19.7	135	36.5
Mat. Sing. Wt. Gain: Low		9	15.3	20	11.4	11	12.6	10	11.6	22	14.4	14	10.0	49	15.6
Mat. Sing. Wt. Gain: High		16	27.1	25	14.2	15	17.2	17	19.8	39	25.5	34	24.3	61	19.4
Mother's Education: Under 12 Yrs.		12	17.1	68	33.3	50	42.4	6	6.3	42	24.6	19	12.0	91	24.5
Marital Status: Out-of-Wedlock		23	32.9	68	33.3	22	18.5	34	35.4	67	39.2	51	32.1	228	61.1
Live Birth Order: 4 or More		10	14.3	49	24.0	42	35.6	13	13.5	38	22.2	33	20.8	62	16.6
Birth Spacing: Less than 18 Mos.		6	12.8	21	14.8	11	13.8	13	18.8	16	13.6	4	3.8	42	18.0
Prenatal Care: 1st Trimester		48	73.8	125	63.1	61	54.0	82	87.2	118	72.4	91	60.7	246	68.0
Prenatal Care: 2nd Trimester		15	23.1	60	30.3	42	37.2	9	9.6	33	20.2	39	26.0	81	22.4
Prenatal Care: 3rd Trimester		2	3.1	11	5.6	7	6.2	3	3.2	10	6.1	13	8.7	26	7.2
Prenatal Care: None		0	0.0	2	1.0	3	2.7	0	0.0	2	1.2	7	4.7	9	2.5
Prenatal Care: Inadequate		10	15.2	46	23.6	42	37.2	10	10.8	33	20.4	46	31.1	97	26.8
Maternal Utilization: Medicaid		28	40.6	79	39.7	33	28.4	30	31.3	103	60.2	86	54.8	277	74.5
Maternal Utilization: WIC		27	40.3	79	39.9	30	26.5	35	37.6	98	58.0	75	48.7	266	72.1
Maternal Utilization: FSP		15	22.1	54	27.1	23	20.7	18	20.2	67	40.9	50	32.5	185	57.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	0	0.0	3	1.5	0	0.0	1	1.0	0	0.0	4	2.5	9	2.4
	18-19	3	4.3	8	3.9	5	4.2	4	4.2	10	5.8	5	3.1	32	8.6
	20-24	19	27.1	54	26.5	27	22.7	28	29.2	58	33.9	53	33.3	145	38.9
	25-29	23	32.9	78	38.2	43	36.1	35	36.5	54	31.6	51	32.1	115	30.8
	30-34	16	22.9	46	22.5	31	26.1	13	13.5	31	18.1	27	17.0	55	14.7
	35-39	9	12.9	14	6.9	7	5.9	13	13.5	13	7.6	14	8.8	15	4.0
	40 and over	0	0.0	1	0.5	6	5.0	2	2.1	5	2.9	5	3.1	2	0.5



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Franklin</u>		<u>Gasconade</u>		<u>Gentry</u>		<u>Greene</u>		<u>Grundy</u>		<u>Harrison</u>		<u>Henry</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		1,256	100.0	156	100.0	86	100.0	3,340	100.0	157	100.0	90	100.0	235	100.0
Birth Weight: Under 2500 Grams		95	7.6	14	9.0	5	5.8	230	6.9	10	6.4	4	4.4	15	6.4
Birth Weight: Above 4499 Grams		12	1.0	4	2.6	1	1.2	39	1.2	1	0.6	0	0.0	4	1.7
Gest. Age: Less than 37 Weeks		126	10.1	21	13.5	8	9.5	339	10.2	17	11.0	4	4.4	17	7.2
APGAR (5 Min.): Less than 8		83	6.6	16	10.3	3	4.1	157	4.7	11	7.0	4	4.6	14	6.0
Infant Care: NICU Admission		67	5.3	11	7.1	4	4.7	270	8.1	10	6.4	2	2.2	10	4.3
Infant Care: Transfer		18	1.4	5	3.2	0	0.0	12	0.4	7	4.5	0	0.0	3	1.3
Place of Birth: At-Home Delivery		3	0.2	0	0.0	10	11.6	32	1.0	30	19.1	7	7.8	6	2.6
Method of Delivery: Cesarean		393	31.5	58	37.2	17	19.8	940	28.2	41	26.8	30	33.3	87	37.0
Infant Care: Breastfed		964	78.2	113	74.8	70	82.4	2,922	88.6	115	75.7	64	71.1	159	70.7
Mat. Smoking: During Preg.		234	18.8	30	19.4	17	20.0	553	16.8	37	24.2	22	24.4	68	28.9
...Quit Smoking During Preg.		43	18.4	4	13.3	5	29.4	135	24.4	5	13.5	4	18.2	17	25.0
Mat. Wt.: Underweight		43	3.4	9	5.8	3	3.5	144	4.4	7	5.1	5	5.8	15	6.4
Mat. Wt.: Obese		373	29.9	55	35.5	30	35.3	909	27.7	35	25.7	25	29.1	69	29.5
Mat. Sing. Wt. Gain: Low		150	13.6	18	13.5	10	13.2	350	12.1	15	12.8	12	14.6	33	15.6
Mat. Sing. Wt. Gain: High		221	20.1	28	21.1	9	11.8	699	24.1	17	14.5	17	20.7	49	23.2
Mother's Education: Under 12 Yrs.		146	11.7	20	12.8	19	22.1	398	12.0	60	38.7	27	30.0	37	15.7
Marital Status: Out-of-Wedlock		479	38.1	54	34.6	26	30.2	1,263	37.8	53	33.8	35	38.9	109	46.4
Live Birth Order: 4 or More		145	11.6	19	12.3	15	17.4	437	13.1	36	22.9	17	18.9	30	12.8
Birth Spacing: Less than 18 Mos.		84	10.6	13	13.8	7	11.9	233	11.9	15	13.6	9	15.3	20	14.3
Prenatal Care: 1st Trimester		990	81.7	128	83.1	58	74.4	2,240	71.1	89	61.4	56	65.9	176	76.2
Prenatal Care: 2nd Trimester		180	14.9	23	14.9	11	14.1	638	20.2	35	24.1	16	18.8	44	19.0
Prenatal Care: 3rd Trimester		29	2.4	3	1.9	7	9.0	197	6.3	20	13.8	12	14.1	11	4.8
Prenatal Care: None		13	1.1	0	0.0	2	2.6	76	2.4	1	0.7	1	1.2	0	0.0
Prenatal Care: Inadequate		148	12.4	15	9.9	21	25.9	764	24.7	56	37.8	27	30.7	41	17.7
Maternal Utilization: Medicaid		388	31.3	49	31.8	24	27.9	1,291	38.9	61	39.6	48	53.9	107	46.3
Maternal Utilization: WIC		385	31.3	50	32.3	23	27.1	1,488	45.2	63	41.7	42	46.7	103	45.0
Maternal Utilization: FSP		263	21.6	30	19.9	15	17.6	921	28.4	35	23.6	30	35.3	72	33.5
Mother's Age: At Delivery	Under 15	1	0.1	0	0.0	0	0.0	2	0.1	1	0.6	0	0.0	0	0.0
	15-17	21	1.7	4	2.6	2	2.3	42	1.3	4	2.5	1	1.1	9	3.8
	18-19	52	4.1	9	5.8	2	2.3	152	4.6	6	3.8	5	5.6	14	6.0
	20-24	296	23.6	37	23.7	26	30.2	799	23.9	52	33.1	28	31.1	71	30.2
	25-29	428	34.1	55	35.3	31	36.0	1,118	33.5	52	33.1	27	30.0	80	34.0
	30-34	312	24.8	38	24.4	19	22.1	833	24.9	24	15.3	16	17.8	37	15.7
	35-39	126	10.0	12	7.7	6	7.0	331	9.9	15	9.6	11	12.2	20	8.5
	40 and over	20	1.6	1	0.6	0	0.0	63	1.9	3	1.9	2	2.2	4	1.7



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Hickory</u>		<u>Holt</u>		<u>Howard</u>		<u>Howell</u>		<u>Iron</u>		<u>Jackson</u>		<u>Jasper</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		80	100.0	38	100.0	117	100.0	521	100.0	103	100.0	9,295	100.0	1,594	100.0
Birth Weight: Under 2500 Grams		4	5.0	0	0.0	8	6.9	39	7.5	13	12.6	860	9.3	110	6.9
Birth Weight: Above 4499 Grams		1	1.3	1	2.6	2	1.7	8	1.5	2	1.9	101	1.1	24	1.5
Gest. Age: Less than 37 Weeks		9	11.3	1	2.6	15	12.8	40	7.7	11	10.7	984	10.6	141	8.9
APGAR (5 Min.): Less than 8		5	6.6	1	2.6	11	9.5	14	2.7	5	4.9	448	4.8	66	4.1
Infant Care: NICU Admission		4	5.0	1	2.6	16	13.7	31	6.0	2	1.9	1,020	11.0	164	10.3
Infant Care: Transfer		2	2.5	0	0.0	2	1.7	19	3.6	3	2.9	65	0.7	13	0.8
Place of Birth: At-Home Delivery		6	7.5	0	0.0	3	2.6	12	2.3	0	0.0	142	1.5	12	0.8
Method of Delivery: Cesarean		21	28.0	11	28.9	44	37.6	136	26.1	42	41.2	2,475	26.6	508	31.9
Infant Care: Breastfed		58	76.3	32	84.2	91	81.3	408	79.1	66	64.1	7,271	79.7	1,228	77.2
Mat. Smoking: During Preg.		15	19.0	6	15.8	31	27.0	119	23.0	32	31.1	1,041	11.3	261	16.4
...Quit Smoking During Preg.		4	26.7	1	16.7	6	19.4	23	19.3	7	21.9	268	25.7	58	22.2
Mat. Wt.: Underweight		6	7.5	0	0.0	2	1.7	17	3.3	7	6.9	341	3.7	68	4.3
Mat. Wt.: Obese		22	27.5	12	31.6	33	28.2	168	32.2	33	32.4	2,658	29.1	466	29.3
Mat. Sing. Wt. Gain: Low		8	11.3	9	24.3	11	11.1	79	16.8	12	14.3	1,227	15.5	203	14.3
Mat. Sing. Wt. Gain: High		20	28.2	5	13.5	24	24.2	98	20.8	20	23.8	1,572	19.9	252	17.7
Mother's Education: Under 12 Yrs.		11	13.8	3	7.9	18	15.4	76	14.6	12	11.7	1,331	14.4	262	16.5
Marital Status: Out-of-Wedlock		30	37.5	15	39.5	44	37.6	188	36.1	53	51.5	4,541	48.9	725	45.5
Live Birth Order: 4 or More		16	20.0	5	13.2	20	17.1	80	15.4	11	10.7	1,417	15.4	208	13.0
Birth Spacing: Less than 18 Mos.		7	14.6	4	16.7	10	13.9	38	11.5	8	14.3	637	11.7	97	9.9
Prenatal Care: 1st Trimester		53	69.7	28	73.7	87	74.4	370	72.7	63	66.3	5,877	66.4	1,143	72.6
Prenatal Care: 2nd Trimester		15	19.7	9	23.7	19	16.2	101	19.8	25	26.3	2,184	24.7	329	20.9
Prenatal Care: 3rd Trimester		5	6.6	1	2.6	9	7.7	19	3.7	7	7.4	560	6.3	86	5.5
Prenatal Care: None		3	3.9	0	0.0	2	1.7	19	3.7	0	0.0	225	2.5	17	1.1
Prenatal Care: Inadequate		18	23.4	4	10.5	23	20.2	102	20.3	25	26.0	2,221	25.7	284	18.1
Maternal Utilization: Medicaid		44	55.0	15	39.5	35	29.9	296	57.3	69	67.0	4,255	46.6	784	49.3
Maternal Utilization: WIC		45	56.3	11	29.7	47	40.2	320	61.7	66	64.7	3,595	39.6	690	44.0
Maternal Utilization: FSP		29	37.2	7	20.6	23	20.2	191	37.5	36	37.5	2,600	34.6	455	30.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0	1	0.1
	15-17	1	1.3	0	0.0	3	2.6	11	2.1	2	1.9	145	1.6	35	2.2
	18-19	6	7.5	1	2.6	6	5.1	44	8.4	8	7.8	469	5.0	107	6.7
	20-24	29	36.3	14	36.8	29	24.8	174	33.4	48	46.6	2,103	22.6	530	33.2
	25-29	21	26.3	10	26.3	37	31.6	180	34.5	29	28.2	2,790	30.0	478	30.0
	30-34	11	13.8	8	21.1	26	22.2	79	15.2	10	9.7	2,523	27.1	318	19.9
	35-39	10	12.5	5	13.2	13	11.1	30	5.8	5	4.9	1,060	11.4	106	6.6
	40 and over	2	2.5	0	0.0	3	2.6	3	0.6	1	1.0	201	2.2	19	1.2



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Jefferson</u>		<u>Johnson</u>		<u>Knox</u>		<u>Laclede</u>		<u>Lafayette</u>		<u>Lawrence</u>		<u>Lewis</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,516	100.0	716	100.0	53	100.0	497	100.0	355	100.0	507	100.0	125	100.0
Birth Weight: Under 2500 Grams		194	7.7	52	7.3	5	9.4	45	9.1	21	5.9	34	6.7	9	7.2
Birth Weight: Above 4499 Grams		36	1.4	6	0.8	1	1.9	8	1.6	0	0.0	5	1.0	0	0.0
Gest. Age: Less than 37 Weeks		267	10.6	70	9.8	3	5.7	70	14.1	34	9.6	44	8.7	9	7.2
APGAR (5 Min.): Less than 8		94	3.8	34	4.7	11	20.8	30	6.0	18	5.1	26	5.1	7	5.6
Infant Care: NICU Admission		215	8.5	58	8.1	2	3.8	44	8.9	26	7.3	32	6.3	3	2.4
Infant Care: Transfer		25	1.0	8	1.1	1	1.9	13	2.6	2	0.6	6	1.2	2	1.6
Place of Birth: At-Home Delivery		15	0.6	16	2.2	6	11.3	1	0.2	6	1.7	12	2.4	8	6.4
Method of Delivery: Cesarean		870	35.2	190	26.5	16	30.2	128	25.8	98	27.7	113	22.3	28	22.4
Infant Care: Breastfed		1,813	74.7	553	78.9	45	91.8	367	76.0	280	79.8	410	82.5	93	76.2
Mat. Smoking: During Preg.		414	16.6	82	11.5	12	22.6	141	28.5	71	20.1	77	15.3	25	20.2
...Quit Smoking During Preg.		78	18.8	19	23.2	2	16.7	21	14.9	11	15.5	11	14.3	7	28.0
Mat. Wt.: Underweight		112	4.5	24	3.4	2	3.8	25	5.0	9	2.5	24	4.8	1	0.8
Mat. Wt.: Obese		706	28.4	200	28.2	15	28.3	159	32.1	103	29.1	141	28.0	47	37.9
Mat. Sing. Wt. Gain: Low		260	12.2	65	10.4	7	14.6	58	14.0	52	16.6	68	15.0	26	23.0
Mat. Sing. Wt. Gain: High		480	22.6	126	20.1	8	16.7	102	24.6	70	22.3	109	24.1	8	7.1
Mother's Education: Under 12 Yrs.		223	8.9	37	5.2	26	49.1	87	17.5	38	10.7	107	21.1	19	15.2
Marital Status: Out-of-Wedlock		972	38.6	182	25.4	7	13.2	212	42.7	152	42.8	195	38.5	55	44.0
Live Birth Order: 4 or More		276	11.1	81	11.4	11	20.8	72	14.5	39	11.0	90	17.8	21	16.8
Birth Spacing: Less than 18 Mos.		174	12.5	39	9.8	3	10.3	45	14.8	29	13.7	39	12.1	12	15.2
Prenatal Care: 1st Trimester		1,727	75.4	532	77.3	36	67.9	328	68.0	243	71.3	353	72.3	94	80.3
Prenatal Care: 2nd Trimester		474	20.7	118	17.2	15	28.3	115	23.9	77	22.6	106	21.7	13	11.1
Prenatal Care: 3rd Trimester		70	3.1	31	4.5	2	3.8	30	6.2	16	4.7	25	5.1	9	7.7
Prenatal Care: None		19	0.8	7	1.0	0	0.0	9	1.9	5	1.5	4	0.8	1	0.9
Prenatal Care: Inadequate		311	13.9	103	15.2	15	28.3	93	19.3	70	20.6	98	20.2	23	19.7
Maternal Utilization: Medicaid		725	30.1	162	22.9	14	26.4	272	55.5	140	39.7	213	42.1	44	35.2
Maternal Utilization: WIC		672	27.4	264	37.1	21	41.2	265	53.6	130	37.1	261	52.4	56	44.8
Maternal Utilization: FSP		490	20.2	101	14.8	9	19.6	170	35.0	80	23.5	148	30.8	13	23.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	22	0.9	3	0.4	2	3.8	14	2.8	5	1.4	12	2.4	2	1.6
	18-19	94	3.7	25	3.5	0	0.0	33	6.7	26	7.3	47	9.3	3	2.4
	20-24	484	19.2	181	25.3	22	41.5	161	32.5	108	30.4	149	29.4	31	24.8
	25-29	825	32.8	230	32.2	18	34.0	177	35.7	106	29.9	151	29.8	50	40.0
	30-34	758	30.1	190	26.6	7	13.2	74	14.9	78	22.0	92	18.1	30	24.0
	35-39	292	11.6	73	10.2	3	5.7	29	5.8	30	8.5	49	9.7	9	7.2
	40 and over	40	1.6	13	1.8	1	1.9	8	1.6	2	0.6	7	1.4	0	0.0



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Lincoln</u>		<u>Linn</u>		<u>Livingston</u>		<u>Macon</u>		<u>Madison</u>		<u>Maries</u>		<u>Marion</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		746	100.0	136	100.0	165	100.0	193	100.0	136	100.0	73	100.0	363	100.0
Birth Weight: Under 2500 Grams		50	6.7	9	6.7	8	4.9	22	11.4	14	10.3	5	6.9	29	8.0
Birth Weight: Above 4499 Grams		8	1.1	6	4.5	4	2.5	3	1.6	3	2.2	1	1.4	3	0.8
Gest. Age: Less than 37 Weeks		69	9.3	12	8.8	13	7.9	31	16.1	13	9.6	4	5.5	42	11.6
APGAR (5 Min.): Less than 8		29	3.9	9	6.7	8	4.9	21	10.9	8	5.9	4	5.5	16	4.4
Infant Care: NICU Admission		47	6.3	11	8.1	10	6.1	20	10.4	11	8.1	3	4.1	21	5.8
Infant Care: Transfer		13	1.7	5	3.7	4	2.4	3	1.6	4	2.9	1	1.4	9	2.5
Place of Birth: At-Home Delivery		7	0.9	4	2.9	5	3.0	15	7.8	1	0.7	5	6.8	4	1.1
Method of Delivery: Cesarean		219	29.4	45	33.6	61	37.7	68	35.2	52	38.8	21	29.2	108	29.8
Infant Care: Breastfed		549	74.4	99	75.6	123	76.4	156	86.7	100	76.3	62	87.3	273	76.9
Mat. Smoking: During Preg.		146	19.8	26	19.4	39	24.1	38	19.9	34	25.4	14	19.2	85	23.5
...Quit Smoking During Preg.		28	19.2	2	7.7	3	7.7	10	26.3	3	8.8	3	21.4	10	11.8
Mat. Wt.: Underweight		23	3.1	7	5.3	8	5.1	4	2.1	11	8.1	4	5.6	11	3.1
Mat. Wt.: Obese		222	30.1	44	33.3	56	35.4	51	26.4	54	40.0	22	30.6	123	34.2
Mat. Sing. Wt. Gain: Low		88	13.4	14	12.6	27	19.3	17	10.7	16	13.7	12	17.6	59	18.6
Mat. Sing. Wt. Gain: High		163	24.9	23	20.7	25	17.9	24	15.1	26	22.2	14	20.6	55	17.3
Mother's Education: Under 12 Yrs.		64	8.6	14	10.4	31	18.9	31	16.1	17	12.5	10	13.7	42	11.6
Marital Status: Out-of-Wedlock		297	39.8	45	33.1	70	42.4	68	35.2	50	36.8	23	31.5	149	41.0
Live Birth Order: 4 or More		86	11.5	22	16.3	32	19.4	31	16.1	17	12.5	18	24.7	59	16.3
Birth Spacing: Less than 18 Mos.		55	11.8	10	11.4	19	17.6	14	12.5	12	18.2	5	10.2	28	12.2
Prenatal Care: 1st Trimester		532	73.6	97	75.2	121	75.2	134	71.3	88	70.4	46	66.7	269	75.4
Prenatal Care: 2nd Trimester		156	21.6	30	23.3	30	18.6	35	18.6	29	23.2	18	26.1	77	21.6
Prenatal Care: 3rd Trimester		28	3.9	2	1.6	9	5.6	16	8.5	7	5.6	4	5.8	8	2.2
Prenatal Care: None		7	1.0	0	0.0	1	0.6	3	1.6	1	0.8	1	1.4	3	0.8
Prenatal Care: Inadequate		134	18.6	25	19.4	28	17.7	42	23.2	26	21.0	16	23.2	75	21.0
Maternal Utilization: Medicaid		207	28.1	35	26.7	63	39.1	51	26.4	66	49.3	22	30.6	154	42.7
Maternal Utilization: WIC		205	27.8	61	45.5	80	49.1	84	44.2	76	57.6	30	41.7	163	45.0
Maternal Utilization: FSP		152	21.1	32	25.2	51	32.3	48	25.7	51	39.5	15	21.1	99	33.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	6	0.8	2	1.5	4	2.4	3	1.6	1	0.7	3	4.1	5	1.4
	18-19	32	4.3	9	6.6	10	6.1	14	7.3	7	5.1	3	4.1	18	5.0
	20-24	160	21.4	42	30.9	50	30.3	52	26.9	41	30.1	20	27.4	107	29.5
	25-29	296	39.7	49	36.0	56	33.9	62	32.1	55	40.4	16	21.9	129	35.5
	30-34	187	25.1	23	16.9	30	18.2	37	19.2	24	17.6	21	28.8	69	19.0
	35-39	53	7.1	11	8.1	15	9.1	18	9.3	6	4.4	9	12.3	28	7.7
	40 and over	12	1.6	0	0.0	0	0.0	7	3.6	2	1.5	1	1.4	7	1.9



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>McDonald</u>		<u>Mercer</u>		<u>Miller</u>		<u>Mississippi</u>		<u>Moniteau</u>		<u>Monroe</u>		<u>Montgomery</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		353	100.0	56	100.0	284	100.0	148	100.0	202	100.0	88	100.0	116	100.0
Birth Weight: Under 2500 Grams		33	9.3	5	9.1	22	7.7	21	14.2	12	5.9	9	10.2	5	4.3
Birth Weight: Above 4499 Grams		2	0.6	1	1.8	7	2.5	3	2.0	2	1.0	2	2.3	2	1.7
Gest. Age: Less than 37 Weeks		52	14.8	8	14.3	29	10.2	13	8.8	16	7.9	6	6.8	7	6.1
APGAR (5 Min.): Less than 8		22	6.3	4	7.7	22	7.7	2	1.4	11	5.4	7	8.0	8	7.0
Infant Care: NICU Admission		40	11.3	8	14.3	21	7.4	8	5.4	15	7.4	6	6.8	7	6.0
Infant Care: Transfer		1	0.3	5	8.9	4	1.4	5	3.4	3	1.5	0	0.0	2	1.7
Place of Birth: At-Home Delivery		8	2.3	17	30.4	2	0.7	0	0.0	6	3.0	6	6.8	0	0.0
Method of Delivery: Cesarean		109	30.9	12	21.8	73	25.7	56	37.8	47	23.3	36	40.9	31	26.7
Infant Care: Breastfed		269	77.1	37	72.5	220	79.1	51	36.2	162	82.7	72	83.7	90	78.9
Mat. Smoking: During Preg.		76	21.8	4	7.1	75	26.6	40	27.4	32	15.8	14	16.3	26	22.4
...Quit Smoking During Preg.		16	21.1	1	25.0	17	22.7	13	32.5	6	18.8	1	7.1	7	26.9
Mat. Wt.: Underweight		17	4.9	3	6.7	15	5.3	4	2.7	10	5.0	6	6.8	4	3.4
Mat. Wt.: Obese		108	30.9	15	33.3	83	29.5	40	27.2	62	31.2	26	29.5	30	25.9
Mat. Sing. Wt. Gain: Low		58	19.7	8	21.6	35	14.3	16	12.7	27	14.8	11	14.1	17	16.5
Mat. Sing. Wt. Gain: High		43	14.6	1	2.7	53	21.7	31	24.6	23	12.6	17	21.8	21	20.4
Mother's Education: Under 12 Yrs.		101	28.9	19	34.5	33	11.6	33	22.4	47	23.3	9	10.2	18	15.5
Marital Status: Out-of-Wedlock		165	46.7	11	19.6	121	42.6	98	66.2	63	31.2	33	37.5	54	46.6
Live Birth Order: 4 or More		58	16.4	9	16.1	37	13.0	26	17.6	35	17.3	17	19.3	19	16.4
Birth Spacing: Less than 18 Mos.		33	13.9	4	14.3	19	11.7	21	22.8	19	13.0	6	10.2	8	11.4
Prenatal Care: 1st Trimester		223	63.7	30	60.0	206	75.5	100	69.0	140	71.1	61	69.3	78	69.0
Prenatal Care: 2nd Trimester		83	23.7	15	30.0	53	19.4	35	24.1	49	24.9	22	25.0	25	22.1
Prenatal Care: 3rd Trimester		32	9.1	5	10.0	14	5.1	7	4.8	8	4.1	5	5.7	8	7.1
Prenatal Care: None		12	3.4	0	0.0	0	0.0	3	2.1	0	0.0	0	0.0	2	1.8
Prenatal Care: Inadequate		98	28.0	19	36.5	37	13.7	36	25.0	32	16.3	20	23.5	32	29.1
Maternal Utilization: Medicaid		203	57.5	14	25.0	131	46.3	104	72.2	51	25.2	30	34.1	49	43.4
Maternal Utilization: WIC		219	62.8	20	36.4	139	49.3	110	75.9	70	34.8	36	42.4	43	38.1
Maternal Utilization: FSP		99	36.5	2	4.7	72	25.8	83	57.2	39	19.6	20	25.0	37	32.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	9	2.5	0	0.0	9	3.2	4	2.7	0	0.0	0	0.0	3	2.6
	18-19	29	8.2	2	3.6	16	5.6	15	10.1	10	5.0	6	6.8	4	3.4
	20-24	109	30.9	16	28.6	74	26.1	53	35.8	59	29.2	24	27.3	35	30.2
	25-29	111	31.4	24	42.9	94	33.1	45	30.4	64	31.7	28	31.8	41	35.3
	30-34	56	15.9	8	14.3	59	20.8	21	14.2	50	24.8	22	25.0	24	20.7
	35-39	30	8.5	5	8.9	27	9.5	8	5.4	17	8.4	4	4.5	8	6.9
	40 and over	9	2.5	1	1.8	5	1.8	2	1.4	2	1.0	4	4.5	1	0.9



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Morgan</u>		<u>New Madrid</u>		<u>Newton</u>		<u>Nodaway</u>		<u>Oregon</u>		<u>Osage</u>		<u>Ozark</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		282	100.0	240	100.0	697	100.0	200	100.0	104	100.0	153	100.0	97	100.0
Birth Weight: Under 2500 Grams		27	9.6	30	12.5	65	9.3	11	5.5	12	11.5	8	5.2	13	13.4
Birth Weight: Above 4499 Grams		2	0.7	3	1.3	9	1.3	3	1.5	0	0.0	1	0.7	2	2.1
Gest. Age: Less than 37 Weeks		28	9.9	33	13.8	67	9.6	20	10.1	12	11.5	13	8.5	10	10.4
APGAR (5 Min.): Less than 8		17	6.0	19	7.9	32	4.6	8	4.0	5	4.8	6	3.9	4	4.1
Infant Care: NICU Admission		31	11.0	21	8.8	73	10.5	13	6.5	8	7.7	8	5.2	7	7.2
Infant Care: Transfer		8	2.8	10	4.2	7	1.0	4	2.0	2	1.9	0	0.0	1	1.0
Place of Birth: At-Home Delivery		20	7.1	0	0.0	2	0.3	3	1.5	4	3.8	1	0.7	3	3.1
Method of Delivery: Cesarean		62	22.0	100	41.8	217	31.1	70	35.0	32	30.8	45	29.4	28	28.9
Infant Care: Breastfed		218	81.0	97	42.9	560	80.9	156	78.8	74	72.5	128	85.9	80	84.2
Mat. Smoking: During Preg.		64	22.7	58	24.4	112	16.2	30	15.2	30	29.1	13	8.5	18	18.8
...Quit Smoking During Preg.		12	18.8	11	19.0	25	22.3	6	20.0	5	16.7	2	15.4	2	11.1
Mat. Wt.: Underweight		7	2.5	10	4.3	33	4.7	2	1.0	3	2.9	4	2.6	3	3.1
Mat. Wt.: Obese		83	29.4	86	36.9	226	32.5	54	27.1	38	36.5	40	26.3	33	34.0
Mat. Sing. Wt. Gain: Low		38	15.0	29	15.1	93	14.9	23	13.0	14	15.2	19	14.3	10	11.9
Mat. Sing. Wt. Gain: High		29	11.5	47	24.5	96	15.4	36	20.3	17	18.5	17	12.8	14	16.7
Mother's Education: Under 12 Yrs.		107	37.9	35	14.6	110	15.9	8	4.0	15	14.6	4	2.6	18	18.6
Marital Status: Out-of-Wedlock		93	33.0	132	55.0	268	38.5	60	30.0	38	36.5	31	20.3	35	36.1
Live Birth Order: 4 or More		63	22.3	34	14.2	101	14.5	26	13.0	14	13.5	19	12.4	20	20.6
Birth Spacing: Less than 18 Mos.		18	9.4	26	18.3	50	11.4	14	10.6	7	10.0	13	13.4	5	9.3
Prenatal Care: 1st Trimester		181	65.3	171	73.4	489	70.7	158	82.3	73	70.9	127	85.2	57	60.6
Prenatal Care: 2nd Trimester		88	31.8	50	21.5	159	23.0	28	14.6	25	24.3	19	12.8	34	36.2
Prenatal Care: 3rd Trimester		7	2.5	12	5.2	32	4.6	5	2.6	3	2.9	3	2.0	1	1.1
Prenatal Care: None		1	0.4	0	0.0	12	1.7	1	0.5	2	1.9	0	0.0	2	2.1
Prenatal Care: Inadequate		58	21.2	43	18.7	131	19.1	25	13.0	18	17.5	12	8.2	23	24.5
Maternal Utilization: Medicaid		119	42.2	151	63.7	309	44.4	57	28.6	61	58.7	24	15.7	43	44.3
Maternal Utilization: WIC		126	45.2	167	69.6	325	47.4	51	25.9	74	71.2	30	20.0	55	56.7
Maternal Utilization: FSP		93	33.2	102	44.0	176	26.9	31	16.0	38	39.2	16	10.7	24	38.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	3	1.1	8	3.3	12	1.7	0	0.0	1	1.0	0	0.0	2	2.1
	18-19	16	5.7	21	8.8	52	7.5	5	2.5	5	4.8	2	1.3	9	9.3
	20-24	81	28.7	80	33.3	203	29.1	40	20.0	41	39.4	24	15.7	28	28.9
	25-29	97	34.4	69	28.8	223	32.0	75	37.5	35	33.7	63	41.2	31	32.0
	30-34	60	21.3	43	17.9	129	18.5	57	28.5	12	11.5	46	30.1	16	16.5
	35-39	23	8.2	19	7.9	64	9.2	18	9.0	7	6.7	16	10.5	10	10.3
	40 and over	2	0.7	0	0.0	14	2.0	5	2.5	3	2.9	2	1.3	1	1.0



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Pemiscot</u>		<u>Perry</u>		<u>Pettis</u>		<u>Phelps</u>		<u>Pike</u>		<u>Platte</u>		<u>Polk</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		257	100.0	223	100.0	599	100.0	490	100.0	223	100.0	1,190	100.0	384	100.0
Birth Weight: Under 2500 Grams		36	14.1	9	4.1	44	7.3	44	9.0	21	9.4	90	7.6	28	7.3
Birth Weight: Above 4499 Grams		3	1.2	0	0.0	13	2.2	8	1.6	7	3.1	16	1.3	5	1.3
Gest. Age: Less than 37 Weeks		41	16.0	18	8.1	53	8.8	55	11.2	27	12.1	114	9.6	28	7.3
APGAR (5 Min.): Less than 8		25	9.8	3	1.4	40	6.7	33	6.7	5	2.2	53	4.5	15	3.9
Infant Care: NICU Admission		25	9.7	9	4.0	48	8.0	38	7.8	9	4.0	103	8.7	17	4.4
Infant Care: Transfer		8	3.1	5	2.2	9	1.5	18	3.7	5	2.2	8	0.7	6	1.6
Place of Birth: At-Home Delivery		2	0.8	1	0.4	12	2.0	4	0.8	11	4.9	10	0.8	15	3.9
Method of Delivery: Cesarean		90	35.0	65	29.3	180	30.1	140	28.7	62	27.8	345	29.0	107	28.2
Infant Care: Breastfed		87	35.7	141	64.4	422	73.1	430	88.8	172	77.5	1,055	89.2	323	87.1
Mat. Smoking: During Preg.		56	21.9	39	17.6	108	18.5	83	17.1	44	20.1	79	6.6	73	19.3
...Quit Smoking During Preg.		12	21.4	6	15.4	19	17.6	12	14.5	8	18.2	17	21.5	17	23.3
Mat. Wt.: Underweight		17	6.7	9	4.0	20	3.5	31	6.3	11	5.0	35	3.0	20	5.2
Mat. Wt.: Obese		99	38.8	53	23.8	189	32.7	137	28.0	79	35.6	280	23.7	111	29.1
Mat. Sing. Wt. Gain: Low		43	20.5	22	10.8	80	15.7	74	17.5	29	15.1	113	10.9	48	13.9
Mat. Sing. Wt. Gain: High		44	21.0	35	17.2	96	18.8	89	21.0	38	19.8	197	18.9	55	15.9
Mother's Education: Under 12 Yrs.		52	20.2	28	12.6	87	14.7	46	9.4	46	20.6	48	4.0	76	19.9
Marital Status: Out-of-Wedlock		176	68.5	81	36.3	233	38.9	169	34.5	79	35.4	302	25.4	124	32.3
Live Birth Order: 4 or More		48	18.7	32	14.4	96	16.0	71	14.5	49	22.0	118	9.9	74	19.3
Birth Spacing: Less than 18 Mos.		32	20.6	13	9.3	44	12.3	25	8.8	19	13.6	72	10.7	30	12.6
Prenatal Care: 1st Trimester		170	67.2	165	75.3	408	69.5	362	77.4	152	70.0	860	74.7	267	72.0
Prenatal Care: 2nd Trimester		54	21.3	39	17.8	148	25.2	78	16.7	47	21.7	229	19.9	84	22.6
Prenatal Care: 3rd Trimester		22	8.7	13	5.9	30	5.1	23	4.9	16	7.4	44	3.8	11	3.0
Prenatal Care: None		7	2.8	2	0.9	1	0.2	5	1.1	2	0.9	19	1.6	9	2.4
Prenatal Care: Inadequate		72	28.8	33	15.1	120	20.5	83	17.9	60	27.6	163	14.2	64	17.3
Maternal Utilization: Medicaid		196	77.2	74	33.5	295	49.3	184	37.7	84	37.8	237	20.1	169	44.4
Maternal Utilization: WIC		180	70.9	86	38.6	318	53.8	238	49.2	93	42.3	205	17.4	164	43.9
Maternal Utilization: FSP		119	68.0	53	24.2	165	28.7	127	27.2	58	27.1	105	10.7	98	26.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	9	3.5	4	1.8	13	2.2	6	1.2	4	1.8	6	0.5	5	1.3
	18-19	16	6.2	9	4.0	38	6.3	23	4.7	13	5.8	26	2.2	30	7.8
	20-24	100	38.9	65	29.1	156	26.0	119	24.3	50	22.4	161	13.5	114	29.7
	25-29	78	30.4	76	34.1	199	33.2	162	33.1	83	37.2	349	29.3	121	31.5
	30-34	39	15.2	47	21.1	129	21.5	124	25.3	46	20.6	404	33.9	71	18.5
	35-39	14	5.4	16	7.2	52	8.7	50	10.2	26	11.7	208	17.5	34	8.9
	40 and over	1	0.4	6	2.7	12	2.0	6	1.2	1	0.4	36	3.0	9	2.3



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Pulaski</u>		<u>Putnam</u>		<u>Ralls</u>		<u>Randolph</u>		<u>Ray</u>		<u>Reynolds</u>		<u>Ripley</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		692	100.0	57	100.0	115	100.0	292	100.0	270	100.0	59	100.0	140	100.0
Birth Weight: Under 2500 Grams		52	7.5	2	3.5	11	9.6	27	9.2	20	7.4	6	10.2	14	10.0
Birth Weight: Above 4499 Grams		13	1.9	1	1.8	2	1.7	4	1.4	7	2.6	1	1.7	1	0.7
Gest. Age: Less than 37 Weeks		66	9.6	6	10.7	10	8.7	39	13.4	32	11.9	8	13.6	22	15.7
APGAR (5 Min.): Less than 8		54	7.9	2	3.5	5	4.3	21	7.3	19	7.0	2	3.4	1	0.7
Infant Care: NICU Admission		30	4.3	1	1.8	7	6.1	42	14.4	26	9.6	4	6.8	2	1.4
Infant Care: Transfer		15	2.2	2	3.5	1	0.9	3	1.0	2	0.7	5	8.5	3	2.1
Place of Birth: At-Home Delivery		11	1.6	6	10.5	1	0.9	8	2.7	1	0.4	1	1.7	3	2.1
Method of Delivery: Cesarean		155	22.4	10	17.5	39	33.9	102	34.9	73	27.0	19	32.2	36	25.7
Infant Care: Breastfed		582	86.5	42	73.7	89	80.9	227	81.4	201	76.7	39	67.2	74	53.6
Mat. Smoking: During Preg.		103	15.0	14	24.6	24	20.9	57	19.7	62	23.4	16	28.1	38	27.5
...Quit Smoking During Preg.		20	19.4	0	0.0	3	12.5	10	17.5	13	21.0	2	12.5	4	10.5
Mat. Wt.: Underweight		30	4.4	4	7.5	1	0.9	12	4.2	15	5.6	3	5.1	8	5.8
Mat. Wt.: Obese		182	26.6	15	28.3	44	38.6	94	32.5	88	32.7	23	39.0	50	36.5
Mat. Sing. Wt. Gain: Low		96	15.6	9	18.8	22	21.0	38	15.3	34	14.8	7	14.6	19	17.0
Mat. Sing. Wt. Gain: High		135	22.0	11	22.9	19	18.1	58	23.4	48	20.9	7	14.6	24	21.4
Mother's Education: Under 12 Yrs.		53	7.7	20	35.1	10	8.7	51	17.6	29	10.7	8	13.6	38	27.1
Marital Status: Out-of-Wedlock		177	25.6	19	33.3	40	34.8	140	47.9	118	43.7	26	44.1	64	45.7
Live Birth Order: 4 or More		79	11.4	17	29.8	17	14.8	41	14.0	30	11.2	11	18.6	28	20.0
Birth Spacing: Less than 18 Mos.		67	16.0	4	12.1	6	8.8	27	15.4	14	8.6	3	8.8	12	13.3
Prenatal Care: 1st Trimester		407	69.8	37	67.3	95	84.1	224	77.2	176	66.9	41	70.7	93	67.4
Prenatal Care: 2nd Trimester		114	19.6	15	27.3	12	10.6	55	19.0	74	28.1	13	22.4	32	23.2
Prenatal Care: 3rd Trimester		40	6.9	2	3.6	6	5.3	11	3.8	8	3.0	3	5.2	11	8.0
Prenatal Care: None		22	3.8	1	1.8	0	0.0	0	0.0	5	1.9	1	1.7	2	1.4
Prenatal Care: Inadequate		130	22.6	12	21.8	16	14.2	48	16.7	49	18.8	15	26.3	38	27.7
Maternal Utilization: Medicaid		194	28.2	19	33.9	38	33.0	108	37.4	118	44.0	40	69.0	98	70.0
Maternal Utilization: WIC		214	31.3	32	56.1	50	43.9	155	54.0	130	48.9	37	63.8	91	67.9
Maternal Utilization: FSP		133	19.8	11	23.9	30	29.1	98	35.0	61	23.4	28	50.0	62	50.4
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0
	15-17	3	0.4	1	1.8	1	0.9	4	1.4	5	1.9	1	1.7	2	1.4
	18-19	34	4.9	6	10.5	3	2.6	21	7.2	15	5.6	3	5.1	13	9.3
	20-24	188	27.2	17	29.8	30	26.1	97	33.2	86	31.9	25	42.4	46	32.9
	25-29	265	38.4	18	31.6	42	36.5	92	31.5	85	31.5	16	27.1	51	36.4
	30-34	134	19.4	11	19.3	26	22.6	55	18.8	54	20.0	9	15.3	13	9.3
	35-39	59	8.5	4	7.0	11	9.6	18	6.2	21	7.8	5	8.5	14	10.0
	40 and over	8	1.2	0	0.0	2	1.7	4	1.4	4	1.5	0	0.0	1	0.7



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Saline</u>		<u>Schuyler</u>		<u>Scotland</u>		<u>Scott</u>		<u>Shannon</u>		<u>Shelby</u>		<u>St. Charles</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		237	100.0	81	100.0	81	100.0	495	100.0	96	100.0	72	100.0	4,459	100.0
Birth Weight: Under 2500 Grams		22	9.3	4	4.9	7	8.6	55	11.1	14	14.6	2	2.8	343	7.7
Birth Weight: Above 4499 Grams		2	0.8	0	0.0	1	1.2	5	1.0	0	0.0	1	1.4	61	1.4
Gest. Age: Less than 37 Weeks		28	11.8	3	3.7	11	13.6	48	9.7	16	16.7	7	9.7	440	9.9
APGAR (5 Min.): Less than 8		12	5.1	4	4.9	6	7.4	15	3.0	2	2.1	2	2.9	199	4.5
Infant Care: NICU Admission		16	6.8	1	1.2	9	11.1	40	8.1	8	8.3	3	4.2	363	8.1
Infant Care: Transfer		2	0.8	1	1.2	4	4.9	11	2.2	8	8.3	1	1.4	55	1.2
Place of Birth: At-Home Delivery		2	0.8	14	17.3	25	30.9	2	0.4	3	3.1	2	2.8	29	0.7
Method of Delivery: Cesarean		72	30.4	21	25.9	22	27.2	174	35.3	30	31.3	22	30.6	1,510	33.9
Infant Care: Breastfed		166	74.4	64	84.2	62	86.1	288	61.0	67	73.6	60	88.2	3,737	86.0
Mat. Smoking: During Preg.		59	24.9	9	11.1	8	9.9	102	21.1	22	22.9	10	14.1	343	7.8
...Quit Smoking During Preg.		16	27.1	1	11.1	4	50.0	17	16.7	5	22.7	0	0.0	83	24.2
Mat. Wt.: Underweight		8	3.4	3	4.0	1	1.2	22	4.5	4	4.2	4	5.6	146	3.3
Mat. Wt.: Obese		90	38.1	33	44.0	19	23.5	148	30.3	30	31.6	33	46.5	1,022	23.1
Mat. Sing. Wt. Gain: Low		42	20.3	8	11.1	14	20.3	77	18.0	12	15.4	13	20.6	320	8.3
Mat. Sing. Wt. Gain: High		41	19.8	12	16.7	10	14.5	91	21.3	19	24.4	11	17.5	835	21.6
Mother's Education: Under 12 Yrs.		44	18.6	30	37.0	47	58.0	60	12.2	16	16.7	6	8.3	168	3.8
Marital Status: Out-of-Wedlock		118	49.8	19	23.5	8	9.9	249	50.3	39	40.6	22	30.6	1,058	23.7
Live Birth Order: 4 or More		31	13.1	19	23.5	26	32.5	64	12.9	15	15.6	8	11.1	404	9.1
Birth Spacing: Less than 18 Mos.		14	8.9	9	18.4	3	6.0	41	13.4	5	8.6	3	7.3	192	7.6
Prenatal Care: 1st Trimester		181	78.4	56	70.0	53	66.3	340	70.2	67	74.4	55	77.5	3,322	79.7
Prenatal Care: 2nd Trimester		37	16.0	14	17.5	24	30.0	117	24.2	20	22.2	16	22.5	709	17.0
Prenatal Care: 3rd Trimester		12	5.2	8	10.0	2	2.5	24	5.0	3	3.3	0	0.0	117	2.8
Prenatal Care: None		1	0.4	2	2.5	1	1.3	3	0.6	0	0.0	0	0.0	22	0.5
Prenatal Care: Inadequate		33	14.5	21	26.3	37	46.8	93	19.6	19	20.9	11	15.7	475	11.5
Maternal Utilization: Medicaid		104	43.9	17	21.3	14	17.3	275	56.5	58	61.1	25	34.7	651	14.9
Maternal Utilization: WIC		126	53.6	21	26.6	13	16.3	287	59.2	60	62.5	31	44.3	593	13.6
Maternal Utilization: FSP		69	30.3	7	9.9	3	3.8	191	40.2	33	35.1	16	25.0	401	9.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	4	1.7	3	3.7	1	1.2	13	2.6	3	3.1	0	0.0	22	0.5
	18-19	12	5.1	0	0.0	1	1.2	36	7.3	5	5.2	3	4.2	67	1.5
	20-24	73	30.8	29	35.8	27	33.3	161	32.5	33	34.4	15	20.8	474	10.6
	25-29	79	33.3	29	35.8	26	32.1	174	35.2	29	30.2	28	38.9	1,413	31.7
	30-34	44	18.6	12	14.8	15	18.5	82	16.6	21	21.9	22	30.6	1,650	37.0
	35-39	20	8.4	6	7.4	8	9.9	25	5.1	4	4.2	4	5.6	713	16.0
	40 and over	5	2.1	2	2.5	3	3.7	4	0.8	1	1.0	0	0.0	119	2.7



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>St. Clair</u>		<u>St. Francois</u>		<u>St. Louis City</u>		<u>St. Louis County</u>		<u>Ste. Genevieve</u>		<u>Stoddard</u>		<u>Stone</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		95	100.0	728	100.0	4,151	100.0	11,356	100.0	189	100.0	333	100.0	259	100.0
Birth Weight: Under 2500 Grams		2	2.1	74	10.2	539	13.0	1,125	9.9	14	7.4	38	11.4	22	8.5
Birth Weight: Above 4499 Grams		0	0.0	8	1.1	30	0.7	116	1.0	3	1.6	6	1.8	1	0.4
Gest. Age: Less than 37 Weeks		7	7.4	95	13.1	567	13.7	1,278	11.3	22	11.6	36	10.8	38	14.7
APGAR (5 Min.): Less than 8		4	4.2	44	6.1	313	7.6	576	5.1	9	4.8	10	3.0	8	3.1
Infant Care: NICU Admission		4	4.2	58	8.0	379	9.1	1,002	8.8	14	7.4	12	3.6	19	7.3
Infant Care: Transfer		1	1.1	36	4.9	109	2.6	148	1.3	6	3.2	10	3.0	2	0.8
Place of Birth: At-Home Delivery		7	7.4	3	0.4	29	0.7	53	0.5	1	0.5	2	0.6	1	0.4
Method of Delivery: Cesarean		27	29.7	300	41.2	1,197	28.9	3,757	33.2	73	38.8	110	33.0	77	29.7
Infant Care: Breastfed		66	75.0	471	66.5	3,031	74.6	9,067	82.1	138	73.4	193	59.8	207	82.8
Mat. Smoking: During Preg.		15	15.8	200	28.2	453	11.1	748	6.7	32	16.9	67	20.3	58	22.8
...Quit Smoking During Preg.		3	20.0	46	23.0	102	22.5	201	26.9	7	21.9	10	14.9	13	22.4
Mat. Wt.: Underweight		6	6.4	41	5.7	136	3.4	413	3.7	7	3.7	15	4.5	13	5.0
Mat. Wt.: Obese		26	27.7	224	31.2	1,171	28.9	2,767	24.8	47	25.0	119	35.7	69	26.7
Mat. Sing. Wt. Gain: Low		10	11.5	90	15.3	459	14.2	1,135	12.0	19	11.9	50	17.5	28	13.0
Mat. Sing. Wt. Gain: High		20	23.0	117	19.9	632	19.6	1,839	19.5	31	19.4	48	16.8	54	25.1
Mother's Education: Under 12 Yrs.		25	26.3	110	15.2	603	14.6	747	6.6	19	10.1	47	14.1	34	13.2
Marital Status: Out-of-Wedlock		35	36.8	349	47.9	2,362	56.9	4,495	39.6	75	39.7	141	42.3	106	40.9
Live Birth Order: 4 or More		16	16.8	74	10.2	647	15.6	1,311	11.6	12	6.4	40	12.0	31	12.0
Birth Spacing: Less than 18 Mos.		9	15.0	49	12.8	317	13.7	672	10.6	21	18.9	21	10.8	22	14.7
Prenatal Care: 1st Trimester		70	74.5	453	65.7	2,264	68.1	7,275	73.8	138	75.0	252	76.6	158	63.5
Prenatal Care: 2nd Trimester		17	18.1	185	26.8	794	23.9	2,079	21.1	40	21.7	61	18.5	72	28.9
Prenatal Care: 3rd Trimester		6	6.4	43	6.2	191	5.7	405	4.1	5	2.7	15	4.6	17	6.8
Prenatal Care: None		1	1.1	9	1.3	76	2.3	94	1.0	1	0.5	1	0.3	2	0.8
Prenatal Care: Inadequate		21	22.3	150	22.2	940	28.3	1,778	18.3	23	12.6	54	16.5	72	29.1
Maternal Utilization: Medicaid		46	49.5	419	58.5	2,305	56.5	3,617	32.7	59	31.7	180	54.4	126	48.8
Maternal Utilization: WIC		50	54.9	402	56.3	1,804	45.0	3,040	27.9	86	45.5	169	51.4	133	52.2
Maternal Utilization: FSP		21	24.4	258	36.5	1,778	45.2	2,727	25.2	36	19.3	107	32.9	75	29.6
Mother's Age: At Delivery	Under 15	0	0.0	1	0.1	2	0.0	1	0.0	0	0.0	0	0.0	0	0.0
	15-17	5	5.3	14	1.9	61	1.5	113	1.0	2	1.1	6	1.8	0	0.0
	18-19	3	3.2	50	6.9	159	3.8	341	3.0	10	5.3	15	4.5	25	9.7
	20-24	40	42.1	227	31.2	860	20.7	1,781	15.7	46	24.3	129	38.7	72	27.8
	25-29	24	25.3	251	34.5	1,291	31.1	3,125	27.5	77	40.7	106	31.8	74	28.6
	30-34	19	20.0	118	16.2	1,145	27.6	3,795	33.4	33	17.5	53	15.9	60	23.2
	35-39	3	3.2	60	8.3	526	12.7	1,853	16.3	20	10.6	21	6.3	27	10.4
	40 and over	1	1.1	6	0.8	107	2.6	343	3.0	1	0.5	3	0.9	1	0.4



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Sullivan</u>		<u>Taney</u>		<u>Texas</u>		<u>Vernon</u>		<u>Warren</u>		<u>Washington</u>		<u>Wayne</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		77	100.0	606	100.0	291	100.0	234	100.0	409	100.0	289	100.0	150	100.0
Birth Weight: Under 2500 Grams		7	9.1	63	10.4	26	8.9	15	6.4	27	6.6	31	10.8	17	11.3
Birth Weight: Above 4499 Grams		1	1.3	9	1.5	2	0.7	4	1.7	3	0.7	3	1.0	0	0.0
Gest. Age: Less than 37 Weeks		15	19.5	63	10.4	24	8.5	22	9.4	33	8.1	42	14.5	19	12.7
APGAR (5 Min.): Less than 8		9	11.7	27	4.5	13	4.5	17	7.3	25	6.1	16	5.6	4	2.7
Infant Care: NICU Admission		7	9.1	45	7.4	15	5.2	12	5.1	28	6.8	27	9.3	8	5.3
Infant Care: Transfer		6	7.8	14	2.3	8	2.7	7	3.0	15	3.7	9	3.1	6	4.0
Place of Birth: At-Home Delivery		0	0.0	7	1.2	14	4.8	12	5.1	2	0.5	1	0.3	3	2.0
Method of Delivery: Cesarean		27	35.1	170	28.1	88	30.4	64	28.1	109	26.7	106	36.9	37	24.7
Infant Care: Breastfed		53	69.7	488	82.4	218	78.4	176	78.6	306	76.1	157	56.5	87	59.6
Mat. Smoking: During Preg.		14	18.9	148	24.5	77	26.8	48	20.6	82	20.2	89	31.2	45	30.2
...Quit Smoking During Preg.		2	14.3	35	23.6	16	20.8	6	12.5	20	24.4	9	10.1	6	13.3
Mat. Wt.: Underweight		1	1.3	34	5.7	13	4.6	10	4.4	15	3.7	11	3.9	14	9.3
Mat. Wt.: Obese		32	41.6	143	23.9	87	30.5	79	34.5	111	27.1	95	33.5	47	31.3
Mat. Sing. Wt. Gain: Low		14	22.6	54	10.2	39	15.9	44	21.2	53	14.3	46	19.7	27	21.8
Mat. Sing. Wt. Gain: High		8	12.9	121	22.8	49	20.0	41	19.7	68	18.4	42	18.0	32	25.8
Mother's Education: Under 12 Yrs.		12	15.8	72	11.9	52	18.1	39	16.7	42	10.3	53	18.5	31	20.7
Marital Status: Out-of-Wedlock		34	44.2	262	43.2	106	36.4	95	40.6	156	38.1	146	50.5	73	48.7
Live Birth Order: 4 or More		10	13.0	74	12.2	47	16.2	48	20.5	52	12.7	43	15.1	25	16.7
Birth Spacing: Less than 18 Mos.		7	16.7	45	13.1	22	12.2	21	14.7	32	12.0	23	15.0	16	16.3
Prenatal Care: 1st Trimester		57	75.0	406	68.2	202	74.5	169	73.5	297	76.0	169	63.8	95	64.6
Prenatal Care: 2nd Trimester		14	18.4	144	24.2	54	19.9	47	20.4	75	19.2	74	27.9	41	27.9
Prenatal Care: 3rd Trimester		5	6.6	37	6.2	14	5.2	11	4.8	18	4.6	21	7.9	10	6.8
Prenatal Care: None		0	0.0	8	1.3	1	0.4	3	1.3	1	0.3	1	0.4	1	0.7
Prenatal Care: Inadequate		12	15.8	146	24.7	55	21.1	49	21.6	80	20.6	78	30.2	40	27.2
Maternal Utilization: Medicaid		22	28.9	330	54.7	153	54.1	114	50.2	135	33.2	164	58.4	105	70.5
Maternal Utilization: WIC		41	54.7	349	58.5	156	54.7	117	50.6	123	30.6	205	71.2	101	68.7
Maternal Utilization: FSP		16	21.9	181	30.8	93	33.5	67	36.0	104	26.1	132	47.1	74	51.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0
	15-17	2	2.6	7	1.2	5	1.7	3	1.3	4	1.0	5	1.7	3	2.0
	18-19	4	5.2	37	6.1	18	6.2	20	8.5	24	5.9	20	7.0	13	8.7
	20-24	25	32.5	179	29.6	93	32.0	79	33.8	90	22.0	102	35.5	52	34.7
	25-29	18	23.4	195	32.2	95	32.6	58	24.8	147	35.9	93	32.4	51	34.0
	30-34	12	15.6	127	21.0	60	20.6	53	22.6	104	25.4	44	15.3	20	13.3
	35-39	15	19.5	51	8.4	15	5.2	15	6.4	34	8.3	17	5.9	8	5.3
	40 and over	1	1.3	9	1.5	5	1.7	6	2.6	5	1.2	6	2.1	3	2.0

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2017**

		<u>Webster</u>		<u>Worth</u>		<u>Wright</u>	
		Number	Percent	Number	Percent	Number	Percent
Live Births		559	100.0	22	100.0	259	100.0
Birth Weight: Under 2500 Grams		37	6.6	4	18.2	13	5.0
Birth Weight: Above 4499 Grams		9	1.6	0	0.0	5	1.9
Gest. Age: Less than 37 Weeks		47	8.4	2	9.1	24	9.3
APGAR (5 Min.): Less than 8		24	5.2	3	13.6	14	5.6
Infant Care: NICU Admission		38	6.8	2	9.1	17	6.6
Infant Care: Transfer		5	0.9	2	9.1	2	0.8
Place of Birth: At-Home Delivery		111	19.9	0	0.0	9	3.5
Method of Delivery: Cesarean		122	21.9	9	40.9	76	29.3
Infant Care: Breastfed		491	90.1	20	90.9	215	86.0
Mat. Smoking: During Preg.		72	13.2	6	27.3	55	21.5
...Quit Smoking During Preg.		16	22.2	2	33.3	10	18.2
Mat. Wt.: Underweight		16	2.9	2	9.1	12	4.7
Mat. Wt.: Obese		177	32.1	8	36.4	85	33.1
Mat. Sing. Wt. Gain: Low		77	15.4	3	15.0	33	14.3
Mat. Sing. Wt. Gain: High		100	20.0	4	20.0	37	16.0
Mother's Education: Under 12 Yrs.		211	37.9	1	4.5	55	21.5
Marital Status: Out-of-Wedlock		138	24.7	7	31.8	104	40.2
Live Birth Order: 4 or More		142	25.5	0	0.0	49	19.0
Birth Spacing: Less than 18 Mos.		80	21.3	0	0.0	27	16.2
Prenatal Care: 1st Trimester		296	56.2	18	85.7	154	62.3
Prenatal Care: 2nd Trimester		154	29.2	2	9.5	62	25.1
Prenatal Care: 3rd Trimester		66	12.5	1	4.8	27	10.9
Prenatal Care: None		11	2.1	0	0.0	4	1.6
Prenatal Care: Inadequate		223	42.8	2	9.5	72	29.9
Maternal Utilization: Medicaid		158	28.6	7	31.8	139	54.1
Maternal Utilization: WIC		187	34.2	7	31.8	149	58.9
Maternal Utilization: FSP		103	19.3	5	22.7	100	40.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0
	15-17	8	1.4	0	0.0	8	3.1
	18-19	39	7.0	0	0.0	17	6.6
	20-24	171	30.6	10	45.5	89	34.4
	25-29	162	29.0	10	45.5	78	30.1
	30-34	117	20.9	2	9.1	44	17.0
	35-39	47	8.4	0	0.0	17	6.6
	40 and over	15	2.7	0	0.0	6	2.3



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>Ballwin</u>		<u>Blue Springs</u>		<u>Cape Girardeau</u>		<u>Chesterfield</u>		<u>Columbia</u>		<u>Florissant</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		283	100.0	687	100.0	440	100.0	369	100.0	1,386	100.0	684	100.0
Birth Weight: Under 2500 Grams		28	9.9	58	8.4	39	8.9	27	7.3	116	8.4	81	11.8
Birth Weight: Above 4499 Grams		1	0.4	5	0.7	9	2.0	4	1.1	10	0.7	6	0.9
Gest. Age: Less than 37 Weeks		37	13.1	76	11.1	37	8.4	31	8.4	144	10.4	85	12.4
APGAR (5 Min.): Less than 8		14	5.0	25	3.6	18	4.1	16	4.3	97	7.0	35	5.2
Infant Care: NICU Admission		27	9.5	56	8.2	40	9.1	21	5.7	164	11.8	70	10.2
Infant Care: Transfer		0	0.0	2	0.3	5	1.1	1	0.3	4	0.3	8	1.2
Place of Birth: At-Home Delivery		1	0.4	8	1.2	3	0.7	1	0.3	6	0.4	2	0.3
Method of Delivery: Cesarean		104	36.7	161	23.4	109	24.9	119	32.2	473	34.1	233	34.1
Infant Care: Breastfed		263	93.9	602	89.7	301	72.2	342	94.0	1,134	85.7	496	75.0
Mat. Smoking: During Preg.		8	2.9	58	8.5	89	20.2	5	1.4	132	9.7	59	8.7
...Quit Smoking During Preg.		4	50.0	19	32.8	19	21.3	3	60.0	30	22.7	19	32.2
Mat. Wt.: Underweight		5	1.8	15	2.2	17	3.9	23	6.3	43	3.2	22	3.3
Mat. Wt.: Obese		43	15.4	212	31.2	123	28.4	35	9.6	293	21.8	233	34.7
Mat. Sing. Wt. Gain: Low		19	8.2	78	13.6	49	12.4	11	3.4	123	10.3	89	15.9
Mat. Sing. Wt. Gain: High		53	22.7	138	24.1	81	20.6	67	20.8	241	20.3	113	20.2
Mother's Education: Under 12 Yrs.		3	1.1	28	4.1	64	14.5	7	1.9	101	7.3	48	7.0
Marital Status: Out-of-Wedlock		35	12.4	223	32.5	216	49.1	31	8.4	424	30.6	381	55.7
Live Birth Order: 4 or More		15	5.3	81	11.9	60	13.7	30	8.2	139	10.0	110	16.2
Birth Spacing: Less than 18 Mos.		10	6.7	39	9.5	51	18.8	17	7.7	61	7.6	48	12.1
Prenatal Care: 1st Trimester		216	83.4	512	77.6	294	68.4	266	79.2	1,102	81.0	398	67.0
Prenatal Care: 2nd Trimester		37	14.3	115	17.4	102	23.7	60	17.9	210	15.4	163	27.4
Prenatal Care: 3rd Trimester		6	2.3	26	3.9	29	6.7	10	3.0	41	3.0	27	4.5
Prenatal Care: None		0	0.0	7	1.1	5	1.2	0	0.0	8	0.6	6	1.0
Prenatal Care: Inadequate		20	7.8	90	14.1	101	23.7	35	10.6	163	12.4	145	25.1
Maternal Utilization: Medicaid		16	5.8	188	27.8	213	49.1	25	6.9	366	26.4	293	44.1
Maternal Utilization: WIC		14	5.1	149	22.0	179	41.2	24	6.9	389	28.9	270	40.9
Maternal Utilization: FSP		12	4.3	89	14.2	155	36.0	8	2.3	288	22.1	216	33.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1
	15-17	1	0.4	4	0.6	11	2.5	2	0.5	14	1.0	8	1.2
	18-19	1	0.4	26	3.8	19	4.3	2	0.5	37	2.7	30	4.4
	20-24	19	6.7	122	17.8	111	25.2	14	3.8	215	15.5	139	20.3
	25-29	83	29.3	242	35.2	145	33.0	71	19.2	444	32.1	225	32.9
	30-34	116	41.0	205	29.8	114	25.9	150	40.7	421	30.4	188	27.5
	35-39	55	19.4	81	11.8	36	8.2	114	30.9	226	16.3	75	11.0
	40 and over	8	2.8	7	1.0	4	0.9	16	4.3	27	1.9	18	2.6



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>Gladstone</u>		<u>Hazelwood</u>		<u>Independence</u>		<u>Jefferson City</u>		<u>Joplin - Total</u>		<u>Joplin - Jasper County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		321	100.0	317	100.0	1,557	100.0	506	100.0	688	100.0	633	100.0
Birth Weight: Under 2500 Grams		23	7.2	38	12.0	126	8.1	47	9.3	54	7.8	48	7.6
Birth Weight: Above 4499 Grams		6	1.9	5	1.6	22	1.4	7	1.4	6	0.9	6	0.9
Gest. Age: Less than 37 Weeks		30	9.4	33	10.4	136	8.8	44	8.7	70	10.2	65	10.3
APGAR (5 Min.): Less than 8		15	4.7	22	7.0	70	4.5	36	7.1	38	5.5	34	5.4
Infant Care: NICU Admission		27	8.4	34	10.7	159	10.2	43	8.5	82	11.9	77	12.2
Infant Care: Transfer		1	0.3	5	1.6	14	0.9	10	2.0	7	1.0	6	0.9
Place of Birth: At-Home Delivery		3	0.9	0	0.0	12	0.8	4	0.8	2	0.3	2	0.3
Method of Delivery: Cesarean		99	30.8	110	34.7	388	24.9	141	27.9	225	32.7	207	32.7
Infant Care: Breastfed		281	88.6	240	78.2	1,228	79.6	395	81.1	529	77.0	487	76.9
Mat. Smoking: During Preg.		42	13.1	27	8.7	297	19.1	84	16.7	145	21.2	134	21.3
...Quit Smoking During Preg.		13	31.0	9	33.3	61	20.5	20	23.8	32	22.1	31	23.1
Mat. Wt.: Underweight		10	3.1	7	2.3	88	5.7	22	4.4	35	5.1	30	4.7
Mat. Wt.: Obese		101	31.5	106	34.2	488	31.6	156	31.1	207	30.2	191	30.2
Mat. Sing. Wt. Gain: Low		56	19.6	54	19.7	230	16.7	65	14.5	86	14.2	79	14.2
Mat. Sing. Wt. Gain: High		58	20.3	57	20.8	291	21.1	94	21.0	115	19.0	106	19.1
Mother's Education: Under 12 Yrs.		26	8.1	30	9.5	263	17.0	61	12.1	97	14.1	88	13.9
Marital Status: Out-of-Wedlock		134	41.7	168	53.0	866	55.6	221	43.7	341	49.6	315	49.8
Live Birth Order: 4 or More		37	11.6	44	13.9	253	16.3	57	11.3	73	10.6	67	10.6
Birth Spacing: Less than 18 Mos.		22	12.5	18	9.3	112	11.5	43	14.5	45	11.3	44	12.0
Prenatal Care: 1st Trimester		211	69.4	174	61.3	962	63.7	359	73.0	473	69.5	443	70.8
Prenatal Care: 2nd Trimester		71	23.4	95	33.5	398	26.3	111	22.6	161	23.6	139	22.2
Prenatal Care: 3rd Trimester		18	5.9	11	3.9	100	6.6	19	3.9	37	5.4	35	5.6
Prenatal Care: None		4	1.3	4	1.4	51	3.4	3	0.6	10	1.5	9	1.4
Prenatal Care: Inadequate		53	17.4	74	26.6	398	26.9	82	16.8	143	21.0	127	20.3
Maternal Utilization: Medicaid		106	33.3	145	47.4	845	54.9	192	37.9	367	53.4	341	54.0
Maternal Utilization: WIC		85	26.8	116	37.8	739	48.3	201	40.2	318	47.0	296	47.5
Maternal Utilization: FSP		48	16.6	117	39.0	507	35.4	142	28.7	218	33.3	203	33.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	2	0.1	1	0.2	0	0.0	0	0.0
	15-17	1	0.3	3	0.9	31	2.0	10	2.0	12	1.7	12	1.9
	18-19	19	5.9	6	1.9	118	7.6	29	5.7	46	6.7	41	6.5
	20-24	76	23.7	82	25.9	424	27.2	139	27.5	248	36.0	231	36.5
	25-29	96	29.9	103	32.5	497	31.9	146	28.9	211	30.7	196	31.0
	30-34	84	26.2	80	25.2	323	20.7	127	25.1	121	17.6	112	17.7
	35-39	42	13.1	39	12.3	133	8.5	47	9.3	42	6.1	35	5.5
	40 and over	3	0.9	4	1.3	29	1.9	7	1.4	8	1.2	6	0.9



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>Joplin - Newton County</u>		<u>Kansas City - Total</u>		<u>Kansas City - Jackson County</u>		<u>Kansas City - Clay County</u>		<u>Kansas City - Platte County</u>		<u>Kansas City - Cass County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		55	100.0	7,000	100.0	4,569	100.0	1,801	100.0	627	100.0	3	100.0
Birth Weight: Under 2500 Grams		6	10.9	685	9.8	513	11.2	124	6.9	48	7.7	0	0.0
Birth Weight: Above 4499 Grams		0	0.0	64	0.9	40	0.9	18	1.0	6	1.0	0	0.0
Gest. Age: Less than 37 Weeks		5	9.1	748	10.7	549	12.0	147	8.2	52	8.3	0	0.0
APGAR (5 Min.): Less than 8		4	7.3	363	5.2	247	5.4	92	5.1	24	3.8	0	0.0
Infant Care: NICU Admission		5	9.1	750	10.7	561	12.3	145	8.1	44	7.0	0	0.0
Infant Care: Transfer		1	1.8	58	0.8	36	0.8	19	1.1	3	0.5	0	0.0
Place of Birth: At-Home Delivery		0	0.0	98	1.4	75	1.6	17	0.9	5	0.8	1	33.3
Method of Delivery: Cesarean		18	32.7	1,921	27.5	1,238	27.1	498	27.8	184	29.3	1	33.3
Infant Care: Breastfed		42	77.8	5,422	79.0	3,349	74.9	1,516	85.9	554	88.6	3	100.0
Mat. Smoking: During Preg.		11	20.0	679	9.8	487	10.8	156	8.7	36	5.7	0	0.0
...Quit Smoking During Preg.		1	9.1	186	27.4	123	25.3	53	34.0	10	27.8	0	0.0
Mat. Wt.: Underweight		5	9.3	225	3.3	163	3.7	45	2.5	17	2.7	0	0.0
Mat. Wt.: Obese		16	29.6	1,865	27.3	1,264	28.5	459	25.9	142	22.8	0	0.0
Mat. Sing. Wt. Gain: Low		7	14.3	937	15.8	660	17.3	210	13.2	66	12.0	1	33.3
Mat. Sing. Wt. Gain: High		9	18.4	1,094	18.4	704	18.5	284	17.9	105	19.2	1	33.3
Mother's Education: Under 12 Yrs.		9	16.4	1,013	14.6	870	19.2	123	6.9	20	3.2	0	0.0
Marital Status: Out-of-Wedlock		26	47.3	3,309	47.3	2,594	56.8	548	30.4	167	26.6	0	0.0
Live Birth Order: 4 or More		6	10.9	1,059	15.2	808	17.8	196	10.9	55	8.8	0	0.0
Birth Spacing: Less than 18 Mos.		1	3.4	518	12.9	360	13.6	118	11.5	39	11.3	1	33.3
Prenatal Care: 1st Trimester		30	54.5	4,373	65.8	2,643	61.6	1,281	73.3	449	74.0	0	0.0
Prenatal Care: 2nd Trimester		22	40.0	1,683	25.3	1,185	27.6	369	21.1	126	20.8	3	100.0
Prenatal Care: 3rd Trimester		2	3.6	430	6.5	329	7.7	80	4.6	21	3.5	0	0.0
Prenatal Care: None		1	1.8	164	2.5	135	3.1	18	1.0	11	1.8	0	0.0
Prenatal Care: Inadequate		16	29.1	1,730	26.3	1,336	31.5	306	17.6	87	14.4	1	33.3
Maternal Utilization: Medicaid		26	47.3	3,125	45.2	2,493	55.4	510	28.5	121	19.5	1	33.3
Maternal Utilization: WIC		22	40.7	2,601	38.1	2,082	46.9	410	23.1	107	17.3	2	100.0
Maternal Utilization: FSP		15	27.3	1,962	35.4	1,640	47.6	266	17.0	56	10.6	0	0.0
Mother's Age: At Delivery	Under 15	0	0.0	2	0.0	2	0.0	0	0.0	0	0.0	0	0.0
	15-17	0	0.0	104	1.5	84	1.8	19	1.1	1	0.2	0	0.0
	18-19	5	9.1	303	4.3	234	5.1	57	3.2	12	1.9	0	0.0
	20-24	17	30.9	1,480	21.1	1,114	24.4	288	16.0	78	12.4	0	0.0
	25-29	15	27.3	2,093	29.9	1,304	28.5	590	32.8	197	31.4	2	66.7
	30-34	9	16.4	1,988	28.4	1,188	26.0	579	32.1	220	35.1	1	33.3
	35-39	7	12.7	859	12.3	531	11.6	224	12.4	104	16.6	0	0.0
	40 and over	2	3.6	171	2.4	112	2.5	44	2.4	15	2.4	0	0.0



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>Kirkwood</u>		<u>Lee's Summit</u>		<u>Liberty</u>		<u>Maryland Heights</u>		<u>O'Fallon</u>		<u>Raytown</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		327	100.0	1,007	100.0	372	100.0	360	100.0	992	100.0	337	100.0
Birth Weight: Under 2500 Grams		18	5.5	57	5.7	22	5.9	42	11.7	79	8.0	28	8.3
Birth Weight: Above 4499 Grams		2	0.6	18	1.8	3	0.8	4	1.1	15	1.5	2	0.6
Gest. Age: Less than 37 Weeks		31	9.5	93	9.2	30	8.1	41	11.4	115	11.6	44	13.1
APGAR (5 Min.): Less than 8		14	4.3	35	3.5	16	4.3	20	5.6	49	5.0	19	5.7
Infant Care: NICU Admission		28	8.6	109	10.8	24	6.5	33	9.2	84	8.5	40	11.9
Infant Care: Transfer		5	1.5	6	0.6	4	1.1	3	0.8	16	1.6	3	0.9
Place of Birth: At-Home Delivery		2	0.6	16	1.6	10	2.7	0	0.0	5	0.5	4	1.2
Method of Delivery: Cesarean		110	33.6	280	27.8	96	25.9	135	37.6	347	35.1	102	30.3
Infant Care: Breastfed		299	93.1	896	90.9	319	86.2	324	93.1	837	87.0	266	80.4
Mat. Smoking: During Preg.		5	1.5	39	3.9	36	9.7	14	3.9	65	6.6	45	13.5
...Quit Smoking During Preg.		1	20.0	16	41.0	5	13.9	5	35.7	19	29.2	14	31.1
Mat. Wt.: Underweight		8	2.5	31	3.1	14	3.8	13	3.8	29	3.0	12	3.6
Mat. Wt.: Obese		33	10.3	236	23.7	94	25.5	74	21.6	213	21.8	91	27.0
Mat. Sing. Wt. Gain: Low		17	6.0	76	8.9	33	9.9	38	13.1	73	8.7	51	17.9
Mat. Sing. Wt. Gain: High		54	19.1	159	18.6	74	22.2	62	21.5	187	22.2	63	22.1
Mother's Education: Under 12 Yrs.		4	1.2	31	3.1	14	3.8	11	3.1	39	3.9	30	8.9
Marital Status: Out-of-Wedlock		32	9.8	222	22.0	112	30.1	83	23.1	215	21.7	185	54.9
Live Birth Order: 4 or More		22	6.8	97	9.7	38	10.2	23	6.4	74	7.5	46	13.8
Birth Spacing: Less than 18 Mos.		16	8.1	43	7.5	21	9.7	18	10.2	41	7.1	25	13.6
Prenatal Care: 1st Trimester		253	84.3	800	82.1	275	76.6	237	74.5	747	80.5	205	64.5
Prenatal Care: 2nd Trimester		42	14.0	142	14.6	69	19.2	74	23.3	156	16.8	91	28.6
Prenatal Care: 3rd Trimester		5	1.7	28	2.9	13	3.6	5	1.6	22	2.4	13	4.1
Prenatal Care: None		0	0.0	5	0.5	2	0.6	2	0.6	3	0.3	9	2.8
Prenatal Care: Inadequate		23	7.7	106	11.6	50	14.0	43	13.9	88	9.5	71	22.9
Maternal Utilization: Medicaid		20	6.3	167	17.0	86	23.4	55	15.9	127	13.0	155	47.7
Maternal Utilization: WIC		15	4.8	127	12.9	64	17.4	49	15.0	105	10.9	144	43.8
Maternal Utilization: FSP		11	3.5	80	10.2	35	10.2	42	12.8	80	8.4	86	31.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	0	0.0	6	0.6	2	0.5	2	0.6	7	0.7	5	1.5
	18-19	1	0.3	20	2.0	9	2.4	3	0.8	11	1.1	22	6.5
	20-24	17	5.2	112	11.1	73	19.6	38	10.6	106	10.7	79	23.4
	25-29	58	17.7	268	26.6	127	34.1	123	34.2	310	31.3	110	32.6
	30-34	153	46.8	407	40.4	109	29.3	128	35.6	367	37.0	79	23.4
	35-39	87	26.6	170	16.9	46	12.4	55	15.3	159	16.0	31	9.2
	40 and over	11	3.4	24	2.4	6	1.6	11	3.1	32	3.2	11	3.3



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>St. Charles</u>		<u>St. Joseph</u>		<u>St. Louis City</u>		<u>St. Peters</u>		<u>Springfield</u>		<u>University City</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		759	100.0	963	100.0	4,151	100.0	675	100.0	1,890	100.0	449	100.0
Birth Weight: Under 2500 Grams		56	7.4	82	8.5	539	13.0	45	6.7	134	7.1	46	10.3
Birth Weight: Above 4499 Grams		12	1.6	6	0.6	30	0.7	7	1.0	21	1.1	4	0.9
Gest. Age: Less than 37 Weeks		61	8.0	100	10.4	567	13.7	69	10.2	193	10.3	36	8.0
APGAR (5 Min.): Less than 8		30	4.0	21	2.2	313	7.6	37	5.5	82	4.4	21	4.7
Infant Care: NICU Admission		64	8.4	79	8.2	379	9.1	70	10.4	161	8.5	33	7.3
Infant Care: Transfer		9	1.2	33	3.4	109	2.6	13	1.9	7	0.4	8	1.8
Place of Birth: At-Home Delivery		5	0.7	5	0.5	29	0.7	6	0.9	19	1.0	1	0.2
Method of Delivery: Cesarean		251	33.1	252	26.2	1,197	28.9	219	32.5	534	28.3	137	30.5
Infant Care: Breastfed		622	84.3	638	67.1	3,031	74.6	576	87.7	1,623	86.9	387	88.6
Mat. Smoking: During Preg.		73	9.8	240	25.1	453	11.1	43	6.4	418	22.5	15	3.4
...Quit Smoking During Preg.		12	16.4	33	13.8	102	22.5	10	23.3	94	22.5	4	26.7
Mat. Wt.: Underweight		32	4.3	43	4.5	136	3.4	21	3.1	94	5.1	13	3.0
Mat. Wt.: Obese		184	24.5	263	27.3	1,171	28.9	162	24.1	539	29.1	83	18.9
Mat. Sing. Wt. Gain: Low		56	8.3	109	12.7	459	14.2	50	8.7	227	13.9	33	8.5
Mat. Sing. Wt. Gain: High		132	19.6	224	26.2	632	19.6	117	20.2	416	25.5	73	18.8
Mother's Education: Under 12 Yrs.		39	5.2	195	20.3	603	14.6	19	2.8	306	16.2	18	4.0
Marital Status: Out-of-Wedlock		229	30.2	525	54.5	2,362	56.9	142	21.0	882	46.7	141	31.4
Live Birth Order: 4 or More		71	9.4	159	16.6	647	15.6	49	7.3	264	14.0	36	8.0
Birth Spacing: Less than 18 Mos.		38	9.2	78	13.0	317	13.7	16	4.5	139	12.8	16	6.8
Prenatal Care: 1st Trimester		549	76.8	687	73.4	2,264	68.1	514	81.5	1,164	65.7	299	75.5
Prenatal Care: 2nd Trimester		134	18.7	176	18.8	794	23.9	99	15.7	411	23.2	81	20.5
Prenatal Care: 3rd Trimester		27	3.8	51	5.4	191	5.7	14	2.2	139	7.8	14	3.5
Prenatal Care: None		5	0.7	22	2.4	76	2.3	4	0.6	58	3.3	2	0.5
Prenatal Care: Inadequate		96	13.6	172	18.4	940	28.3	63	10.1	529	30.6	65	16.5
Maternal Utilization: Medicaid		160	21.6	503	52.3	2,305	56.5	84	12.7	911	48.5	114	25.8
Maternal Utilization: WIC		166	22.3	456	48.5	1,804	45.0	69	10.4	1,038	55.8	105	24.3
Maternal Utilization: FSP		104	14.2	350	39.2	1,778	45.2	43	6.5	692	37.8	77	17.9
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	2	0.0	0	0.0	2	0.1	0	0.0
	15-17	5	0.7	26	2.7	61	1.5	5	0.7	30	1.6	8	1.8
	18-19	15	2.0	72	7.5	159	3.8	6	0.9	103	5.4	17	3.8
	20-24	108	14.2	281	29.2	860	20.7	64	9.5	545	28.8	40	8.9
	25-29	224	29.5	291	30.2	1,291	31.1	220	32.6	608	32.2	128	28.6
	30-34	266	35.0	193	20.0	1,145	27.6	263	39.0	387	20.5	175	39.1
	35-39	117	15.4	84	8.7	526	12.7	102	15.1	177	9.4	61	13.6
	40 and over	24	3.2	16	1.7	107	2.6	15	2.2	38	2.0	19	4.2



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2017**

		<u>Wentzville</u>		<u>Wildwood</u>	
		Number	Percent	Number	Percent
Live Births		564	100.0	231	100.0
Birth Weight: Under 2500 Grams		51	9.0	14	6.1
Birth Weight: Above 4499 Grams		6	1.1	6	2.6
Gest. Age: Less than 37 Weeks		69	12.2	23	10.0
APGAR (5 Min.): Less than 8		22	3.9	7	3.0
Infant Care: NICU Admission		40	7.1	17	7.4
Infant Care: Transfer		7	1.2	2	0.9
Place of Birth: At-Home Delivery		2	0.4	0	0.0
Method of Delivery: Cesarean		183	32.4	76	32.9
Infant Care: Breastfed		464	84.8	207	92.0
Mat. Smoking: During Preg.		38	6.8	2	0.9
...Quit Smoking During Preg.		6	15.8	1	50.0
Mat. Wt.: Underweight		15	2.7	8	3.5
Mat. Wt.: Obese		131	23.5	23	10.0
Mat. Sing. Wt. Gain: Low		39	8.3	9	4.7
Mat. Sing. Wt. Gain: High		95	20.1	44	22.9
Mother's Education: Under 12 Yrs.		14	2.5	0	0.0
Marital Status: Out-of-Wedlock		123	21.8	22	9.5
Live Birth Order: 4 or More		66	11.8	34	14.7
Birth Spacing: Less than 18 Mos.		27	7.9	10	7.5
Prenatal Care: 1st Trimester		423	81.5	189	85.9
Prenatal Care: 2nd Trimester		74	14.3	28	12.7
Prenatal Care: 3rd Trimester		21	4.0	3	1.4
Prenatal Care: None		1	0.2	0	0.0
Prenatal Care: Inadequate		64	12.5	10	4.6
Maternal Utilization: Medicaid		70	12.6	5	2.2
Maternal Utilization: WIC		69	12.5	5	2.2
Maternal Utilization: FSP		48	8.8	2	0.9
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0
	15-17	1	0.2	2	0.9
	18-19	11	2.0	2	0.9
	20-24	55	9.8	12	5.2
	25-29	182	32.3	41	17.7
	30-34	221	39.2	101	43.7
	35-39	86	15.2	57	24.7
	40 and over	8	1.4	16	6.9

**Table 11A. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2017**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
State Total	5,046	1,238	3,808	688	207	481
Adair	21	5	16	0	0	0
Andrew	9	3	6	2	2	0
Atchison	0	0	0	0	0	0
Audrain	21	2	19	0	0	0
Barry	41	8	33	1	0	1
Barton	15	4	11	0	0	0
Bates	14	6	8	1	1	0
Benton	16	4	12	1	0	1
Bollinger	4	1	3	0	0	0
Boone	112	34	78	25	8	17
Buchanan	117	32	85	10	5	5
Butler	51	8	43	2	0	2
Caldwell	14	6	8	2	1	1
Callaway	36	10	26	6	1	5
Camden	31	7	24	2	0	2
Cape Girardeau	56	16	40	8	2	6
Carroll	4	1	3	0	0	0
Carter	9	0	9	0	0	0
Cass	80	18	62	15	3	12
Cedar	17	2	15	1	0	1
Chariton	3	1	2	0	0	0
Christian	58	16	42	11	5	6
Clark	8	0	8	0	0	0
Clay	174	45	129	37	12	25
Clinton	19	1	18	4	1	3
Cole	67	21	46	5	1	4
Cooper	13	5	8	1	0	1
Crawford	24	7	17	1	0	1
Dade	3	0	3	0	0	0

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Dallas	11	3	8	0	0	0
Daviess	5	0	5	0	0	0
Dekalb	5	1	4	0	0	0
Dent	11	0	11	1	0	1
Douglas	9	4	5	0	0	0
Dunklin	41	9	32	0	0	0
Franklin	84	24	60	10	2	8
Gasconade	15	5	10	2	1	1
Gentry	4	2	2	0	0	0
Greene	229	52	177	30	7	23
Grundy	11	5	6	0	0	0
Harrison	6	1	5	0	0	0
Henry	26	11	15	3	2	1
Hickory	11	3	8	4	2	2
Holt	2	0	2	1	0	1
Howard	9	3	6	0	0	0
Howell	55	11	44	0	0	0
Iron	10	2	8	0	0	0
Jackson	767	190	577	146	40	106
Jasper	156	40	116	12	4	8
Jefferson	133	28	105	17	6	11
Johnson	36	3	33	7	0	7
Knox	2	2	0	0	0	0
Laclede	49	15	34	2	1	1
Lafayette	36	9	27	5	4	1
Lawrence	62	14	48	2	1	1
Lewis	5	2	3	0	0	0
Lincoln	43	7	36	5	1	4
Linn	12	3	9	1	1	0
Livingston	16	4	12	2	0	2

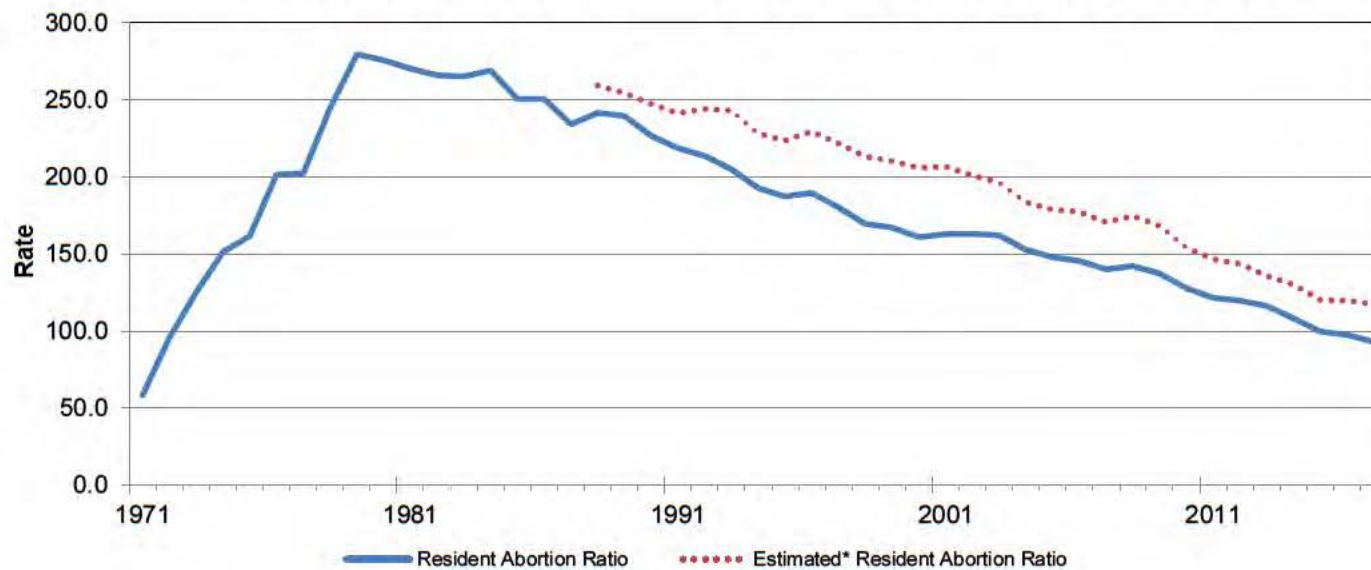


**Table 11A. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2017**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
McDonald	38	9	29	0	0	0
Macon	17	3	14	0	0	0
Madison	9	2	7	0	0	0
Maries	6	3	3	0	0	0
Marion	23	5	18	0	0	0
Mercer	2	0	2	0	0	0
Miller	25	9	16	0	0	0
Mississippi	19	4	15	0	0	0
Moniteau	10	0	10	0	0	0
Monroe	6	0	6	0	0	0
Montgomery	8	3	5	1	0	1
Morgan	21	4	17	2	1	1
New Madrid	30	8	22	1	0	1
Newton	66	13	53	0	0	0
Nodaway	7	0	7	2	0	2
Oregon	6	1	5	0	0	0
Osage	2	0	2	0	0	0
Ozark	11	2	9	0	0	0
Pemiscot	26	9	17	1	0	1
Perry	13	4	9	0	0	0
Pettis	56	15	41	4	2	2
Phelps	34	6	28	5	0	5
Pike	17	4	13	0	0	0
Platte	48	10	38	16	4	12
Polk	39	8	31	4	3	1
Pulaski	47	6	41	8	2	6
Putnam	7	1	6	0	0	0
Ralls	4	1	3	0	0	0
Randolph	30	5	25	3	0	3
Ray	21	5	16	1	0	1

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Reynolds	4	1	3	0	0	0
Ripley	15	2	13	0	0	0
St. Charles	125	33	92	35	11	24
St. Clair	8	5	3	0	0	0
St. Francois	72	17	55	6	2	4
Ste. Genevieve	12	2	10	0	0	0
St. Louis City	275	81	194	51	17	34
St. Louis County	591	156	435	132	42	90
Saline	19	4	15	3	0	3
Schuyler	3	3	0	0	0	0
Scotland	2	1	1	0	0	0
Scott	51	13	38	2	0	2
Shannon	8	3	5	0	0	0
Shelby	3	0	3	0	0	0
Stoddard	23	8	15	2	2	0
Stone	28	1	27	3	1	2
Sullivan	6	2	4	0	0	0
Taney	46	7	39	2	0	2
Texas	23	5	18	0	0	0
Vernon	26	3	23	3	0	3
Warren	31	6	25	2	1	1
Washington	26	6	20	1	1	0
Wayne	16	3	13	0	0	0
Webster	51	9	42	2	1	1
Worth	0	0	0	0	0	0
Wright	27	8	19	2	0	2

Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971-2017



Source: 1971-1974 Centers for Disease Control; 1975-2017 Missouri Department of Health & Senior Services, Bureau of Vital Statistics.

Graph D Abortion Definitions:

Recorded: Abortions performed in a facility located in Missouri.

Resident: Abortions to Missouri residents regardless of where the abortions occurred as indicated on the individual record level data reports.

\*Estimated Resident: Resident Abortions as defined above plus estimated Missouri resident counts from Illinois for 1988-2017 and Tennessee in 1997-2005. See Appendix under Vital Records for more information.

## Complication Report

In 2017, 74 abortion complication reports with 86 complications were received by Missouri DHSS. Complications were associated with 1.9% of Missouri abortions. These complications included 29 incomplete abortions, 20 failed abortions, 14 retained products of conception and 22 other complications.



**Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2017**

	Total	Weeks of Gestation								
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	Unknown
State Total	6,790	3,751	1,357	700	374	231	243	69	65	0
Patient's Race										
White, Non-Hispanic	3,473	2,082	611	296	168	113	128	41	34	0
Black, Non-Hispanic	2,457	1,156	567	318	168	102	95	25	26	0
Other, Non-Hispanic	473	302	93	42	17	6	11	1	1	0
Unknown, Non-Hispanic	59	25	15	7	4	3	4	0	1	0
Hispanic, Any Race	328	186	71	37	17	7	5	2	3	0
Patient's Age										
Under 15	19	6	3	2	3	1	3	0	1	0
15	37	12	6	5	2	3	3	4	2	0
16	64	25	11	8	9	3	5	1	2	0
17	87	34	18	16	7	5	3	3	1	0
18	217	107	46	32	15	6	7	2	2	0
19	264	123	63	24	17	16	13	4	4	0
20-24	2,060	1,068	459	230	124	64	78	18	19	0
25-29	1,921	1,155	347	178	90	64	58	16	13	0
30-34	1,200	678	234	119	67	40	35	15	12	0
35-39	717	423	132	70	30	23	26	5	8	0
40 and Over	204	120	38	16	10	6	12	1	1	0
Unknown	0	0	0	0	0	0	0	0	0	0
Type of Procedure										
Curettage	3,090	1,311	901	694	182	2	0	0	0	0
Intrauterine Instillation	1	1	0	0	0	0	0	0	0	0
Hysterotomy/Hysterectomy	0	0	0	0	0	0	0	0	0	0
Laminaria D & E	794	12	3	6	187	227	235	68	56	0
Medical/Nonsurgical	2,893	2,423	453	0	1	1	6	1	8	0
Unknown	1	1	0	0	0	0	0	0	0	0
Other	11	3	0	0	4	1	2	0	1	0

**Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2017**

	Total	Weeks of Gestation								Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	
<b>State Total</b>	3,903	1,673	957	492	287	182	193	54	65	0
<b>Patient's Race</b>										
White, Non-Hispanic	1,818	868	387	196	118	89	100	25	35	0
Black, Non-Hispanic	1,619	583	441	243	144	81	77	26	24	0
Other, Non-Hispanic	258	135	72	26	11	4	8	1	1	0
Unknown, Non-Hispanic	66	26	17	8	6	3	5	0	1	0
Hispanic, Any Race	142	61	40	19	8	5	3	2	4	0
<b>Patient's Age</b>										
Under 15	13	1	2	1	3	1	3	0	2	0
15	22	6	3	4	2	1	1	4	1	0
16	38	11	7	7	5	3	2	1	2	0
17	52	17	9	12	5	4	2	3	0	0
18	133	51	31	22	14	6	5	2	2	0
19	163	51	48	19	13	14	12	1	5	0
20-24	1,212	474	334	168	93	44	63	16	20	0
25-29	1,108	528	254	126	71	54	51	12	12	0
30-34	693	311	156	83	52	33	34	10	14	0
35-39	367	168	91	40	23	20	16	3	6	0
40 and Over	102	55	22	10	6	2	4	2	1	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Type of Procedure</b>										
Curettage	2,245	866	719	492	167	1	0	0	0	0
Intrauterine Instillation	0	0	0	0	0	0	0	0	0	0
Hysterotomy/Hysterectomy	2	0	0	0	0	1	1	0	0	0
Laminaria D & E	591	0	0	0	118	179	186	53	55	0
Medical/Nonsurgical	1,062	806	238	0	1	1	6	1	9	0
Unknown	1	1	0	0	0	0	0	0	0	0
Other	2	0	0	0	1	0	0	0	1	0



**Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2017**

	Total	Patient's Race				
		White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic	Hispanic, Any Race
<b><u>State Total</u></b>	6,790	3,473	2,457	473	59	328
<b><u>Patient's Age</u></b>						
Under 15	19	10	8	1	0	0
15	37	17	14	2	1	3
16	64	31	25	5	2	1
17	87	45	32	6	1	3
18	217	116	67	20	3	11
19	264	146	85	15	2	16
20-24	2,060	1,085	738	120	24	93
25-29	1,921	926	769	125	12	89
30-34	1,200	604	434	98	12	52
35-39	717	387	227	58	1	44
40 and Over	204	106	58	23	1	16
<b><u>Marital Status</u></b>						
Never Married	2,812	1,170	1,358	150	46	88
Currently Married	981	624	161	132	10	54
Formerly Married	140	109	19	3	2	7
Unmarried, Unspecified	2,822	1,547	911	185	1	178
Unknown	35	23	8	3	0	1
<b><u>Years of Education</u></b>						
0-8	209	69	64	53	3	20
9-11	533	252	211	32	4	34
12	2,744	1,243	1,208	135	29	129
13-15	2,044	1,108	684	138	10	104
16 or More	967	634	204	86	11	32
Unknown	293	167	86	29	2	9

**Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2017**

Counties	Number	Ratio
State Total	6,790	93.0
Adair	6	22.6
Andrew	9	45.7
Atchison	4	78.4
Audrain	9	27.6
Barry	6	14.3
Barton	2	15.6
Bates	9	45.2
Benton	4	23.4
Bollinger	1	8.0
Boone	248	119.6
Buchanan	107	97.1
Butler	10	19.4
Caldwell	6	70.6
Callaway	26	55.8
Camden	22	53.7
Cape Girardeau	43	48.2
Carroll	2	25.0
Carter	3	42.9
Cass	108	96.7
Cedar	6	33.9
Chariton	2	24.4
Christian	45	43.5
Clark	1	13.9
Clay	346	113.3
Clinton	22	96.5
Cole	66	78.1
Cooper	12	61.2
Crawford	5	19.7
Dade	2	28.6
Dallas	6	29.4
Daviess	5	42.0

Counties	Number	Ratio
DeKalb	2	20.8
Dent	5	29.2
Douglas	5	31.4
Dunklin	2	5.4
Franklin	66	52.5
Gasconade	4	25.6
Gentry	0	0.0
Greene	245	73.4
Grundy	1	6.4
Harrison	1	11.1
Henry	15	63.8
Hickory	17	212.5
Holt	5	131.6
Howard	5	42.7
Howell	14	26.9
Iron	6	58.3
Jackson	1,749	188.2
Jasper	58	36.4
Jefferson	156	62.0
Johnson	75	104.7
Knox	0	0.0
Laclede	12	24.1
Lafayette	18	50.7
Lawrence	12	23.7
Lewis	2	16.0
Lincoln	32	42.9
Linn	5	36.8
Livingston	5	30.3
Macon	5	25.9
Madison	5	36.8
Maries	1	13.7
Marion	6	16.5

Counties	Number	Ratio
McDonald	3	8.5
Mercer	2	35.7
Miller	10	35.2
Mississippi	2	13.5
Moniteau	4	19.8
Monroe	3	34.1
Montgomery	7	60.3
Morgan	8	28.4
New Madrid	4	16.7
Newton	8	11.5
Nodaway	12	60.0
Oregon	0	0.0
Osage	2	13.1
Ozark	4	41.2
Pemiscot	4	15.6
Perry	2	9.0
Pettis	36	60.1
Phelps	26	53.1
Pike	2	9.0
Platte	142	119.3
Polk	12	31.3
Pulaski	45	65.0
Putnam	1	17.5
Ralls	2	17.4
Randolph	10	34.2
Ray	18	66.7
Reynolds	2	33.9
Ripley	0	0.0
Saline	10	42.2
Schuyler	0	0.0
Scotland	0	0.0
Scott	23	46.5

Counties	Number	Ratio
Shannon	1	10.4
Shelby	3	41.7
St. Charles	314	70.4
St. Clair	4	42.1
St. Francois	36	49.5
St. Louis City	711	171.3
St. Louis County	1,457	128.3
Ste. Genevieve	3	15.9
Stoddard	8	24.0
Stone	10	38.6
Sullivan	0	0.0
Taney	16	26.4
Texas	3	10.3
Vernon	15	64.1
Warren	22	53.8
Washington	4	13.8
Wayne	1	6.7
Webster	13	23.3
Worth	0	0.0
Wright	7	27.0

BRFSS Regions	Number	Ratio
Northeast	66	22.1
Northwest	222	79.4
Central	553	65.8
Southeast	189	28.2
Southwest	499	44.8
St. Louis Region	2,762	109.7
Kansas City Region	2,418	153.1
Metro	6,081	109.9
Non-Metro	628	35.5



**Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions by Age of Patient: Missouri, 2017**

	Total	Patient's Age								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over
<b><u>State Total</u></b>	6,790	19	188	481	2,060	1,921	1,200	717	190	14
<b><u>Marital Status</u></b>										
Never Married	2,812	12	102	244	997	813	420	185	34	5
Currently Married	981	0	2	16	131	241	305	218	65	3
Formerly Married	140	0	0	0	15	29	36	45	14	1
Unmarried, Unspecified	2,822	7	84	216	909	831	431	266	73	5
Unknown	35	0	0	5	8	7	8	3	4	0
<b><u>Number of Living Children</u></b>										
0	2,686	19	182	419	1,143	602	210	88	21	2
1	1,666	0	5	56	571	546	300	154	31	3
2	1,380	0	1	6	260	459	349	227	73	5
3	678	0	0	0	71	220	208	141	37	1
4	237	0	0	0	11	76	76	58	15	1
5	88	0	0	0	3	12	36	28	9	0
6+	54	0	0	0	0	6	21	21	4	2
Unknown	1	0	0	0	1	0	0	0	0	0
<b><u>Number of Previous Abortions</u></b>										
0	4,327	19	182	432	1,510	1,122	591	366	97	8
1	1,601	0	6	47	431	527	342	195	50	3
2	570	0	0	1	89	196	161	93	28	2
3	176	0	0	1	23	52	60	30	9	1
4	69	0	0	0	4	17	25	20	3	0
5	28	0	0	0	2	4	12	9	1	0
6+	18	0	0	0	0	3	9	4	2	0
Unknown	1	0	0	0	1	0	0	0	0	0

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2017**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
State Total	6,113,532	73,017	61,866	11,151	73,868	64,202	11.9	10.1	1.8
Adair	25,377	266	244	22	532	248	10.5	9.6	0.9
Andrew	17,555	197	155	42	0	107	11.2	8.8	2.4
Atchison	5,275	51	70	-19	40	65	9.7	13.3	-3.6
Audrain	25,641	326	328	-2	254	307	12.7	12.8	-0.1
Barry	35,668	421	439	-18	267	333	11.8	12.3	-0.5
Barton	11,850	128	141	-13	10	112	10.8	11.9	-1.1
Bates	16,334	199	229	-30	7	178	12.2	14.0	-1.8
Benton	19,074	171	309	-138	4	226	9.0	16.2	-7.2
Bollinger	12,306	125	158	-33	1	80	10.2	12.8	-2.7
Boone	178,271	2,073	1,084	989	4,062	1,988	11.6	6.1	5.5
Buchanan	89,065	1,102	987	115	1,545	1,148	12.4	11.1	1.3
Butler	42,666	516	585	-69	1,386	717	12.1	13.7	-1.6
Caldwell	9,100	85	103	-18	1	62	9.3	11.3	-2.0
Callaway	45,032	466	399	67	3	250	10.3	8.9	1.5
Camden	45,632	410	469	-59	603	440	9.0	10.3	-1.3
Cape Girardeau	78,161	892	767	125	2,019	1,388	11.4	9.8	1.6
Carroll	8,796	80	114	-34	1	89	9.1	13.0	-3.9
Carter	6,169	70	81	-11	0	58	11.3	13.1	-1.8
Cass	103,724	1,117	1,002	115	18	708	10.8	9.7	1.1
Cedar	14,073	177	192	-15	42	155	12.6	13.6	-1.1
Chariton	7,480	82	97	-15	1	61	11.0	13.0	-2.0
Christian	85,432	1,034	700	334	10	442	12.1	8.2	3.9
Clark	6,723	72	71	1	6	53	10.7	10.6	0.1
Clay	242,874	3,054	1,820	1,234	3,104	2,204	12.6	7.5	5.1
Clinton	20,554	228	267	-39	137	302	11.1	13.0	-1.9
Cole	76,708	845	624	221	1,463	769	11.0	8.1	2.9
Cooper	17,644	196	187	9	3	160	11.1	10.6	0.5
Crawford	24,102	254	319	-65	312	236	10.5	13.2	-2.7
Dade	7,588	70	101	-31	4	73	9.2	13.3	-4.1
Dallas	16,673	204	201	3	15	138	12.2	12.1	0.2
Daviess	8,361	119	83	36	49	41	14.2	9.9	4.3
DeKalb	12,588	96	133	-37	0	84	7.6	10.6	-2.9
Dent	15,480	171	191	-20	7	131	11.0	12.3	-1.3
Douglas	13,300	159	176	-17	8	130	12.0	13.2	-1.3
Dunklin	30,119	373	459	-86	277	324	12.4	15.2	-2.9
Franklin	103,330	1,256	1,004	252	809	939	12.2	9.7	2.4
Gasconade	14,726	156	221	-65	0	188	10.6	15.0	-4.4
Gentry	6,665	86	104	-18	17	92	12.9	15.6	-2.7



**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2017**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	289,805	3,340	2,975	365	6,436	4,448	11.5	10.3	1.3
Grundy	9,949	157	112	45	21	88	15.8	11.3	4.5
Harrison	8,524	90	127	-37	4	89	10.6	14.9	-4.3
Henry	21,718	235	297	-62	354	248	10.8	13.7	-2.9
Hickory	9,475	80	151	-71	5	94	8.4	15.9	-7.5
Holt	4,413	38	56	-18	0	51	8.6	12.7	-4.1
Howard	10,139	117	118	-1	3	81	11.5	11.6	-0.1
Howell	40,103	521	501	20	625	534	13.0	12.5	0.5
Iron	10,226	103	165	-62	1	114	10.1	16.1	-6.1
Jackson	698,895	9,295	6,476	2,819	10,426	7,846	13.3	9.3	4.0
Jasper	120,217	1,594	1,289	305	10	773	13.3	10.7	2.5
Jefferson	223,810	2,516	2,147	369	418	1,541	11.2	9.6	1.6
Johnson	53,897	716	400	316	711	363	13.3	7.4	5.9
Knox	3,977	53	37	16	10	27	13.3	9.3	4.0
Laclede	35,443	497	447	50	326	335	14.0	12.6	1.4
Lafayette	32,641	355	405	-50	6	274	10.9	12.4	-1.5
Lawrence	38,434	507	498	9	243	379	13.2	13.0	0.2
Lewis	9,967	125	124	1	8	76	12.5	12.4	0.1
Lincoln	56,183	746	487	259	6	329	13.3	8.7	4.6
Linn	12,194	136	177	-41	3	136	11.2	14.5	-3.4
Livingston	15,173	165	173	-8	347	149	10.9	11.4	-0.5
Macon	15,251	193	197	-4	17	192	12.7	12.9	-0.3
Madison	12,243	136	179	-43	2	153	11.1	14.6	-3.5
Maries	8,867	73	107	-34	4	63	8.2	12.1	-3.8
Marion	28,634	363	354	9	614	392	12.7	12.4	0.3
McDonald	22,828	353	254	99	9	140	15.5	11.1	4.3
Mercer	3,678	56	41	15	20	22	15.2	11.1	4.1
Miller	25,228	284	286	-2	2	192	11.3	11.3	-0.1
Mississippi	13,586	148	189	-41	0	120	10.9	13.9	-3.0
Moniteau	16,063	202	142	60	6	106	12.6	8.8	3.7
Monroe	8,612	88	101	-13	4	61	10.2	11.7	-1.5
Montgomery	11,438	116	194	-78	0	144	10.1	17.0	-6.8
Morgan	20,145	282	265	17	114	192	14.0	13.2	0.8
New Madrid	17,582	240	239	1	0	169	13.7	13.6	0.1
Newton	58,290	697	664	33	3,047	1,585	12.0	11.4	0.6
Nodaway	22,472	200	199	1	240	164	8.9	8.9	0.0
Oregon	10,558	104	145	-41	4	100	9.9	13.7	-3.9
Osage	13,662	153	141	12	1	97	11.2	10.3	0.9
Ozark	9,186	97	133	-36	3	82	10.6	14.5	-3.9

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2017**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Pemiscot	16,826	257	231	26	2	186	15.3	13.7	1.5
Perry	19,225	223	186	37	141	150	11.6	9.7	1.9
Pettis	42,558	599	495	104	512	443	14.1	11.6	2.4
Phelps	44,744	490	475	15	806	538	11.0	10.6	0.3
Pike	18,567	223	211	12	12	155	12.0	11.4	0.6
Platte	101,187	1,190	750	440	773	576	11.8	7.4	4.3
Polk	31,794	384	419	-35	533	396	12.1	13.2	-1.1
Pulaski	52,059	692	330	362	360	212	13.3	6.3	7.0
Putnam	4,811	57	74	-17	38	53	11.8	15.4	-3.5
Ralls	10,224	115	90	25	1	40	11.2	8.8	2.4
Randolph	24,945	292	294	-2	6	225	11.7	11.8	-0.1
Ray	22,855	270	287	-17	1	180	11.8	12.6	-0.7
Reynolds	6,275	59	78	-19	1	44	9.4	12.4	-3.0
Ripley	13,564	140	200	-60	2	114	10.3	14.7	-4.4
Saline	22,660	237	271	-34	218	235	10.5	12.0	-1.5
Schuyler	4,508	81	51	30	11	22	18.0	11.3	6.7
Scotland	4,963	81	49	32	143	49	16.3	9.9	6.4
Scott	38,541	495	420	75	386	371	12.8	10.9	1.9
Shannon	8,249	96	100	-4	3	63	11.6	12.1	-0.5
Shelby	6,021	72	98	-26	1	68	12.0	16.3	-4.3
St. Charles	395,504	4,459	2,998	1,461	2,427	2,899	11.3	7.6	3.7
St. Clair	9,362	95	143	-48	4	106	10.1	15.3	-5.1
St. Francois	66,705	728	797	-69	672	660	10.9	11.9	-1.0
St. Louis City	308,626	4,151	3,130	1,021	3,403	4,759	13.4	10.1	3.3
St. Louis County	996,726	11,356	10,263	1,093	20,978	11,911	11.4	10.3	1.1
Ste. Genevieve	17,843	189	196	-7	161	147	10.6	11.0	-0.4
Stoddard	29,369	333	402	-69	6	282	11.3	13.7	-2.3
Stone	31,699	259	409	-150	1	245	8.2	12.9	-4.7
Sullivan	6,229	77	79	-2	0	53	12.4	12.7	-0.3
Taney	55,355	606	650	-44	551	650	10.9	11.7	-0.8
Texas	25,735	291	309	-18	222	233	11.3	12.0	-0.7
Vernon	20,437	234	258	-24	281	200	11.4	12.6	-1.2
Warren	34,373	409	322	87	2	198	11.9	9.4	2.5
Washington	25,022	289	313	-24	1	213	11.5	12.5	-1.0
Wayne	13,296	150	199	-49	3	104	11.3	15.0	-3.7
Webster	38,665	559	355	204	130	243	14.5	9.2	5.3
Worth	2,057	22	35	-13	0	20	10.7	17.0	-6.3
Wright	18,331	259	292	-33	9	183	14.1	15.9	-1.8



**Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase  
with Rates by Cities with Over 25,000 Population: Missouri, 2017**

Cities with Population 25,000+	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Ballwin	30,181	283	235	48	0	279	9.4	7.8	1.6
Blue Springs	54,945	687	427	260	0	382	12.5	7.8	4.7
Cape Girardeau	39,151	440	445	-5	2,017	1,208	11.2	11.4	-0.1
Chesterfield	47,588	369	572	-203	1,828	960	7.8	12.0	-4.3
Columbia	121,717	1,386	678	708	4,059	1,866	11.4	5.6	5.8
Florissant	52,158	684	586	98	0	714	13.1	11.2	1.9
Gladstone	27,140	321	285	36	3	91	11.8	10.5	1.3
Hazelwood	25,290	317	204	113	0	60	12.5	8.1	4.5
Independence	117,306	1,557	1,491	66	1,540	1,397	13.3	12.7	0.6
Jefferson City	42,895	506	418	88	1,458	741	11.8	9.7	2.1
Kirkwood	27,653	327	302	25	2	131	11.8	10.9	0.9
Lee's Summit	97,290	1,007	672	335	1,684	910	10.4	6.9	3.4
Liberty	31,507	372	230	142	1,117	480	11.8	7.3	4.5
Maryland Heights	26,996	360	242	118	0	277	13.3	9.0	4.4
O'Fallon	87,597	992	568	424	828	532	11.3	6.5	4.8
Raytown	29,211	337	389	-52	4	245	11.5	13.3	-1.8
St. Charles	70,329	759	706	53	665	1,129	10.8	10.0	0.8
St. Joseph	76,442	963	826	137	1,540	1,118	12.6	10.8	1.8
St. Louis City	308,626	4,151	3,130	1,021	3,403	4,759	13.4	10.1	3.3
St. Peters	57,178	675	497	178	2	634	11.8	8.7	3.1
Springfield	167,376	1,890	1,943	-53	6,430	4,103	11.3	11.6	-0.3
University City	34,549	449	359	90	1	143	13.0	10.4	2.6
Wentzville	39,414	564	213	351	2	158	14.3	5.4	8.9
Wildwood	35,501	231	166	65	0	50	6.5	4.7	1.8

**Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2017**

Multi-County Cities	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Joplin	52,288	688	603	85	3,041	1,624	13.2	11.5	1.6
...Jasper Co. Part	45,220	633	520	113	0	349	14.0	11.5	2.5
...Newton Co. Part	7,068	55	83	-28	3,041	1,275	7.8	11.7	-4.0
Kansas City	488,943	7,000	3,935	3,065	7,811	5,413	14.3	8.0	6.3
...Jackson Co. Part	315,342	4,569	2,760	1,809	7,048	4,625	14.5	8.8	5.7
...Clay Co. Part	124,677	1,801	787	1,014	0	414	14.4	6.3	8.1
...Platte Co. Part	48,725	627	388	239	763	374	12.9	8.0	54.9
...Cass Co. Part	198	3	0	3	0	0	15.2	0.0	15.2



**Table 17A. Resident Live Births and Deaths by Cities with 10,000 to 24,999 Population: Missouri, 2017**

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	247	218
Bellefontaine Neighbors	146	199
Belton	329	241
Bolivar	129	170
Branson	161	148
Bridgeton	138	161
Carthage	244	194
Clayton	88	66
Crestwood	141	140
Creve Coeur	170	208
Dardenne Prairie	86	84
Eureka	107	109
Excelsior Springs	139	138
Farmington	200	240
Ferguson	306	180
Festus	141	158
Fulton	118	125
Grain Valley	204	80
Grandview	408	218
Hannibal	236	227
Harrisonville	113	134
Jackson	175	146
Jennings	213	171
Kennett	145	158
Kirksville	187	164
Lake St. Louis	125	103
Lebanon	256	220
Manchester	212	135
Marshall	144	147
Maryville	89	101
Mexico	145	175
Moberly	179	187
Neosho	195	152
Nixa	261	166
Overland	181	162
Ozark	312	192

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Poplar Bluff	232	279
Raymore	236	204
Republic	252	126
Rolla	253	191
St. Ann	169	159
Sedalia	331	275
Sikeston	203	212
Town and Country	60	144
Troy	166	149
Union	171	108
Warrensburg	221	125
Washington	159	165
Webb City	169	121
Webster Groves	261	242
West Plains	172	165

**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2017**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	53	31
Aurora	114	103
Ava	43	58
Battlefield	82	43
Bel-Ridge	46	26
Berkeley	136	97
Bethany	35	54
Black Jack	63	111
Bonne Terre	63	66
Boonville	88	110
Bowling Green	59	57
Breckenridge Hills	71	61
Brentwood	104	51
Brookfield	49	90
Buckner	43	33
Buffalo	40	55
Butler	64	87
Byrnes Mill	32	24
California	54	55
Camdenton	57	40
Cameron	86	142
Carl Junction	78	59
Carrollton	41	51
Caruthersville	93	85
Cassville	49	51
Centralia	68	56
Chaffee	50	40
Charleston	61	65
Chillicothe	100	131
Clarkson Valley	15	15
Clinton	113	134
Cottleville	51	23
Crystal City	5	3
Cuba	44	52
Dellwood	89	50
Deslodge	69	69

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
De Soto	81	106
Des Peres	83	103
Dexter	103	143
East Prairie	39	51
Eldon	57	72
El Dorado Springs	42	62
Ellisville	76	124
Fayette	26	29
Fenton	38	46
Fredricktown	51	74
Frontenac	26	33
Glendale	96	27
Green Park	23	56
Greenwood	96	26
Hayti	37	41
Herculaneum	45	82
Higginsville	51	58
Hillsboro	46	22
Hollister	60	69
Holts Summit	57	40
Kearney	105	76
Knob Noster	45	16
Ladue	62	52
Lamar	55	70
Lexington	57	56
Licking	21	32
Louisiana	46	57
Macon	75	93
Malden	54	84
Maplewood	109	63
Marshfield	107	95
Monett	162	89
Monroe City	39	29
Montgomery City	44	31
Moscow Mills	57	17
Mountain Grove	69	105



**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2017**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Mountain View	43	53
Mount Vernon	63	92
Nevada	105	142
New Madrid	35	36
Normandy	65	49
North Kansas City	48	62
Northwoods	35	83
Oak Grove	104	68
Odessa	49	67
Olivette	85	49
Osage Beach	46	84
Owensville	35	60
Pacific	72	76
Pagedale	45	44
Palmyra	40	57
Park Hills	114	120
Parkville	76	22
Peculiar	71	39
Perryville	115	124
Pevely	90	58
Pine Lawn	34	42
Platte City	64	44
Pleasant Hill	93	71
Pleasant Valley	32	32
Portageville	52	45
Potosi	46	45
Richmond	95	107
Richmond Heights	91	88
Riverside	77	41
Riverview	36	35
Rock Hill	66	27
Rogersville	72	41
St. Clair	75	51
Ste. Genevieve	42	56
St. James	47	79
St. John	100	69

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
St. Robert	57	23
Salem	68	71
Savannah	60	60
Scott City	55	38
Shrewsbury	65	114
Smithville	113	66
Sugar Creek	35	26
Sullivan	95	100
Sunset Hills	66	134
Tipton	35	32
Trenton	84	77
Valley Park	72	118
Vandalia	30	57
Warrenton	120	88
Waynesville	72	50
Weldon Spring	30	78
Willard	82	58
Windsor	41	38
Woodson Terrace	57	33
Wright City	80	28

**Table 18A. Twelve Leading Causes of Death and Death Rates per 100,000 Residents: Missouri, 2017**

Race	Causes of Death	Number	Crude Rate	Age-Adjusted Rate	Percent Of Total
Total (All Races)	1. Diseases of heart	14,818	242.4	191.1	24.0
	2. Malignant neoplasms	12,969	212.1	167.2	21.0
	3. Chronic lower respiratory disease	3,941	64.5	50.7	6.4
	4. Unintentional injuries	3,773	61.7	58.8	6.1
	5. Cerebrovascular diseases	3,159	51.7	41.0	5.1
	6. Alzheimer's disease	2,545	41.6	32.3	4.1
	7. Diabetes mellitus	1,606	26.3	21.0	2.6
	8. Nephritis and nephrosis	1,515	24.8	19.6	2.4
	9. Influenza and pneumonia	1,280	20.9	16.7	2.1
	10. Suicide	1,151	18.8	18.5	1.9
	11. Septicemia	861	14.1	11.3	1.4
	12. Essential hypertension	700	11.5	9.0	1.1
	All other causes	13,548	221.6	182.8	21.9
	Total (All Causes)	61,866	1012.0	820.0	100.0



**Table 18B. Twelve Leading Causes of Death by Race and Death Rates per 100,000 Residents: Missouri, 2017**

Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart	13,090	24.3
	2. Malignant neoplasms	11,369	21.1
	3. Chronic lower respiratory disease	3,683	6.8
	4. Unintentional injuries	3,076	5.7
	5. Cerebrovascular diseases	2,717	5.0
	6. Alzheimer's disease	2,331	4.3
	7. Diabetes mellitus	1,357	2.5
	8. Nephritis and nephrosis	1,234	2.3
	9. Influenza and pneumonia	1,170	2.2
	10. Suicide	1,053	2.0
	11. Septicemia	717	1.3
	12. Chronic liver disease and cirrhosis	624	1.2
	All other causes	11,434	21.2
	Total (All Causes)	53,855	100.0

Black, Non-Hispanic	1. Diseases of heart	1,480	22.0
	2. Malignant neoplasms	1,328	19.8
	3. Unintentional injuries	570	8.5
	4. Homicide	414	6.2
	5. Cerebrovascular diseases	382	5.7
	6. Nephritis and nephrosis	243	3.6
	7. Chronic lower respiratory disease	211	3.1
	8. Diabetes mellitus	203	3.0
	9. Alzheimer's disease	186	2.8
	10. Septicemia	119	1.8
	11. Essential hypertension	89	1.3
	12. Influenza and pneumonia	88	1.3
	All other causes	1,404	20.9
	Total (All Causes)	6,717	100.0

Race	Causes of Death	Number	Percent Of Total
Other Races	1. Malignant neoplasms	171	24.9
	2. Diseases of heart	122	17.7
	3. Unintentional injuries	57	8.3
	4. Cerebrovascular diseases	39	5.7
	5. Chronic lower respiratory disease	30	4.4
	6. Nephritis and nephrosis	20	2.9
	7. Diabetes mellitus	19	2.8
	8. Suicide	17	2.5
	9. Influenza and pneumonia	15	2.2
	10. Alzheimer's disease	14	2.0
	10. Homicide	14	2.0
	12. Conditions orig. in perinatal period	13	1.9
	12. Septicemia	13	1.9
	All other causes	144	20.9
	Total (All Causes)	688	100.0

Hispanic, Any Race	1. Diseases of heart	118	20.4
	2. Malignant neoplasms	99	17.1
	3. Unintentional injuries	66	11.4
	4. Diabetes mellitus	26	4.5
	5. Cerebrovascular diseases	21	3.6
	6. Homicide	20	3.5
	7. Nephritis and nephrosis	17	2.9
	8. Alzheimer's disease	14	2.4
	8. Suicide	14	2.4
	10. Chronic liver disease and cirrhosis	13	2.2
	10. Chronic lower respiratory disease	13	2.2
	12. Septicemia	12	2.1
	All other causes	145	25.1
	Total (All Causes)	578	100.0

**Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2017**

Age Group	Causes of Death	Number	Percent Of Total
Under 1 year	1. Conditions orig. in perinatal period	190	41.8
	2. Congenital anomalies	110	24.2
	3. Unintentional injuries	67	14.7
	4. Diseases of heart	10	2.2
	5. Homicide	8	1.8
	Total (All Causes)	455	100.0
1-4 years	1. Unintentional injuries	38	40.9
	2. Malignant neoplasms	10	10.8
	3. Congenital anomalies	8	8.6
	3. Homicide	8	8.6
	5. Cerebrovascular diseases	3	3.2
	5. Diseases of heart	3	3.2
	Total (All Causes)	93	100.0
5-14 years	1. Unintentional injuries	43	29.1
	2. Malignant neoplasms	21	14.2
	3. Congenital anomalies	13	8.8
	4. Suicide	12	8.1
	5. Homicide	9	6.1
	Total (All Causes)	148	100.0
15-24 years	1. Unintentional injuries	349	43.4
	2. Suicide	170	21.1
	3. Homicide	152	18.9
	4. Diseases of heart	19	2.4
	5. Malignant neoplasms	11	1.4
	Total (All Causes)	804	100.0
25-34 years	1. Unintentional injuries	559	42.4
	2. Homicide	211	16.0
	3. Suicide	194	14.7
	4. Diseases of heart	73	5.5
	5. Malignant neoplasms	53	4.0
	Total (All Causes)	1,319	100.0
35-44 years	1. Unintentional injuries	535	30.2
	2. Diseases of heart	262	14.8
	3. Malignant neoplasms	204	11.5
	4. Suicide	186	10.5
	5. Homicide	119	6.7
	Total (All Causes)	1,774	100.0

Age Group	Causes of Death	Number	Percent Of Total
45-54 years	1. Malignant neoplasms	813	23.0
	2. Diseases of heart	789	22.3
	3. Unintentional injuries	444	12.6
	4. Suicide	204	5.8
	5. Chronic liver disease and cirrhosis	120	3.4
	Total (All Causes)	3,531	100.0
55-64 years	1. Malignant neoplasms	2,628	31.2
	2. Diseases of heart	1,976	23.4
	3. Chronic lower respiratory disease	485	5.8
	4. Unintentional injuries	474	5.6
	5. Diabetes mellitus	295	3.5
	Total (All Causes)	8,432	100.0
65-74 years	1. Malignant neoplasms	3,664	30.5
	2. Diseases of heart	2,771	23.1
	3. Chronic lower respiratory disease	1,106	9.2
	4. Cerebrovascular diseases	521	4.3
	5. Diabetes mellitus	391	3.3
	Total (All Causes)	12,006	100.0
75-84 years	1. Malignant neoplasms	3,480	23.2
	2. Diseases of heart	3,464	23.1
	3. Chronic lower respiratory disease	1,290	8.6
	4. Cerebrovascular diseases	902	6.0
	5. Alzheimer's disease	656	4.4
	Total (All Causes)	14,990	100.0
85 years & over	1. Diseases of heart	5,448	29.7
	2. Malignant neoplasms	2,085	11.4
	3. Alzheimer's disease	1,705	9.3
	4. Cerebrovascular diseases	1,286	7.0
	5. Chronic lower respiratory disease	926	5.1
	Total (All Causes)	18,314	100.0



**Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Group By Sex and Race: Missouri, 2017**

Age at Death	<u>Age-Specific Rate</u>			<u>All Races</u>			<u>White, Non-Hispanic</u>			<u>Black, Non-Hispanic</u>		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	10.1	10.6	9.7	61,866	31,720	30,146	53,855	27,404	26,451	6,717	3,590	3,127
Under 1 Year	6.2	6.6	5.9	455	246	209	275	158	117	136	66	70
1-4 Years	0.3	0.3	0.3	93	54	39	67	39	28	18	10	8
5-9 Years	0.1	0.2	0.1	54	34	20	33	21	12	16	11	5
10-14 Years	0.2	0.3	0.2	94	62	32	60	39	21	25	17	8
15-19 Years	0.7	1.0	0.4	280	203	77	176	121	55	85	69	16
20-24 Years	1.3	1.8	0.7	524	377	147	333	235	98	158	119	39
25-29 Years	1.5	2.2	0.9	650	464	186	448	315	133	184	137	47
30-34 Years	1.7	2.4	1.0	669	477	192	481	333	148	158	123	35
35-39 Years	2.3	3.1	1.4	876	602	274	642	440	202	194	137	57
40-44 Years	2.6	3.3	1.9	898	561	337	676	416	260	195	126	69
45-49 Years	3.6	4.3	2.8	1,340	804	536	1,036	620	416	240	147	93
50-54 Years	5.5	6.9	4.2	2,191	1,345	846	1,775	1,093	682	354	206	148
55-59 Years	8.6	10.7	6.5	3,714	2,264	1,450	3,073	1,886	1,187	552	322	230
60-64 Years	12.0	15.0	9.3	4,718	2,816	1,902	3,869	2,323	1,546	750	434	316
65-69 Years	17.1	20.8	13.8	5,591	3,199	2,392	4,737	2,726	2,011	725	397	328
70-74 Years	25.5	30.2	21.5	6,415	3,513	2,902	5,666	3,109	2,557	619	334	285
75-79 Years	39.9	48.0	33.3	7,022	3,770	3,252	6,294	3,411	2,883	607	285	322
80-84 Years	65.6	76.7	57.5	7,968	3,907	4,061	7,247	3,564	3,683	595	285	310
85 Years & Over	140.9	157.4	132.2	18,314	7,022	11,292	16,967	6,555	10,412	1,106	365	741

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	61,866	455	93	54	94	280	524	650	669	876	898
Enterocolitis due to Clostridium difficile	155	0	0	0	0	0	1	0	2	0	1
Septicemia	861	2	2	1	0	0	1	5	5	10	11
HIV / AIDS	71	0	0	0	0	0	0	2	3	6	5
Malignant neoplasms	12,969	0	10	8	13	7	4	23	30	80	124
... Colon, rectum, and anus	1,108	0	0	0	0	0	0	0	1	11	15
... Pancreas	904	0	0	0	0	0	0	0	2	5	3
... Trachea, bronchus, and lung	3,691	0	1	0	0	0	0	0	2	5	14
... Breast	877	0	0	0	0	0	0	2	2	18	28
... Cervix uteri, corpus uteri, and ovary	571	0	0	0	0	0	1	1	4	4	12
... Prostate	537	0	0	0	0	0	0	0	0	0	0
... Urinary tract	698	0	0	0	0	0	0	0	0	2	6
... Non-Hodgkin's lymphoma	446	0	0	1	1	0	0	3	1	1	3
... Leukemia	487	0	4	1	5	2	0	6	2	3	2
... Other malignant neoplasms	3,650	0	5	6	7	5	3	11	16	31	41
Diabetes mellitus	1,606	0	0	0	1	4	3	8	5	14	23
Alzheimer's disease	2,545	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	620	0	0	0	0	0	0	0	0	0	0
Diseases of heart	14,818	10	3	1	2	8	11	26	47	105	157
Essential hypertension	700	0	0	0	0	0	0	2	1	3	2
Cerebrovascular diseases	3,159	2	3	1	2	1	1	6	8	15	21
Influenza and pneumonia	1,280	1	1	0	3	1	3	5	6	7	10
Chronic lower respiratory disease	3,941	0	0	4	3	3	4	1	3	7	15
Pneumonitis due to solids and liquids	592	0	0	0	0	0	1	0	3	2	1
Chronic liver disease and cirrhosis	690	0	0	0	0	0	0	6	14	16	29
Nephritis and nephrosis	1,515	2	0	0	0	0	1	1	2	6	13
Perinatal conditions	195	190	2	0	1	1	0	0	0	0	0
Congenital anomalies	209	110	8	6	7	5	4	0	2	4	1
Symptoms and ill-defined conditions	459	35	2	0	0	2	7	8	6	9	5
All other diseases	9,741	27	14	12	17	19	34	37	67	99	115
Unintentional injuries	3,773	67	38	17	26	114	235	301	258	316	219
... Motor vehicle crashes	994	3	15	13	16	88	97	80	85	80	59
... Falls	776	0	0	0	0	0	6	1	4	6	8
... Accidental poisoning	1,271	0	0	0	1	15	109	193	157	200	127
... Other unintentional injuries	732	64	23	4	9	11	23	27	12	30	25
Suicide	1,151	0	0	0	12	63	107	90	104	92	94
Homicide	654	8	8	4	5	50	102	118	93	76	43
All other external causes	162	1	2	0	2	2	5	11	10	9	9



**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,340	2,191	3,714	4,718	5,591	6,415	7,022	7,968	18,314	0
Enterocolitis due to Clostridium difficile	0	2	4	13	11	11	23	19	68	0
Septicemia	24	32	54	60	83	109	97	125	240	0
HIV / AIDS	9	14	13	6	6	5	1	1	0	0
Malignant neoplasms	268	545	1,121	1,507	1,743	1,921	1,843	1,637	2,085	0
...Colon, rectum, and anus	34	74	111	118	133	133	131	140	207	0
...Pancreas	11	42	88	116	130	149	131	106	121	0
...Trachea, bronchus, and lung	40	98	337	440	588	667	611	453	435	0
...Breast	35	63	88	96	115	96	96	87	151	0
...Cervix uteri, corpus uteri, and ovary	22	40	48	78	92	78	65	62	64	0
...Prostate	0	7	20	40	35	73	90	103	169	0
...Urinary tract	14	19	38	61	81	83	93	122	179	0
...Non-Hodgkin's lymphoma	3	8	22	41	46	58	67	75	116	0
...Leukemia	9	21	22	31	46	66	86	83	98	0
...Other malignant neoplasms	100	173	347	486	477	518	473	406	545	0
Diabetes mellitus	45	72	121	174	183	208	218	197	330	0
Alzheimer's disease	0	1	7	23	40	113	235	421	1,705	0
Parkinson's disease	1	1	4	12	28	71	110	142	251	0
Diseases of heart	269	520	836	1,140	1,319	1,452	1,584	1,880	5,448	0
Essential hypertension	6	22	32	29	51	56	70	109	317	0
Cerebrovascular diseases	38	79	114	159	235	286	381	521	1,286	0
Influenza and pneumonia	19	21	39	43	76	114	152	213	566	0
Chronic lower respiratory disease	22	72	182	303	480	626	636	654	926	0
Pneumonitis due to solids and liquids	10	13	17	23	33	55	76	98	260	0
Chronic liver disease and cirrhosis	47	73	122	108	73	76	54	37	35	0
Nephritis and nephrosis	27	37	75	101	145	181	179	264	481	0
Perinatal conditions	0	1	0	0	0	0	0	0	0	0
Congenital anomalies	2	5	12	14	12	6	3	4	4	0
Symptoms and ill-defined conditions	9	12	25	21	37	28	42	47	164	0
All other diseases	188	285	495	658	789	888	1,083	1,347	3,567	0
Unintentional injuries	209	235	273	201	172	156	185	213	538	0
...Motor vehicle crashes	46	71	86	56	59	35	39	35	31	0
...Falls	11	15	25	30	38	66	95	120	351	0
...Accidental poisoning	124	119	113	68	28	8	2	1	6	0
...Other unintentional injuries	28	30	49	47	47	47	49	57	150	0
Suicide	102	102	109	97	53	38	36	28	24	0
Homicide	34	36	42	9	13	4	4	2	3	0
All other external causes	11	11	17	17	9	11	10	9	16	0

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	31,720	246	54	34	62	203	377	464	477	602	561
Enterocolitis due to Clostridium difficile	60	0	0	0	0	0	1	0	2	0	0
Septicemia	413	2	0	0	0	0	0	4	1	5	7
HIV / AIDS	56	0	0	0	0	0	0	2	0	5	4
Malignant neoplasms	6,937	0	5	5	7	5	2	10	15	43	49
... Colon, rectum, and anus	606	0	0	0	0	0	0	0	0	8	10
... Pancreas	500	0	0	0	0	0	0	0	2	4	3
... Trachea, bronchus, and lung	2,044	0	1	0	0	0	0	0	1	2	7
... Breast	12	0	0	0	0	0	0	0	0	0	0
... Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	0
... Prostate	537	0	0	0	0	0	0	0	0	0	0
... Urinary tract	471	0	0	0	0	0	0	0	0	0	5
... Non-Hodgkin's lymphoma	257	0	0	1	1	0	0	2	1	1	1
... Leukemia	296	0	1	1	3	2	0	3	2	2	1
... Other malignant neoplasms	2,214	0	3	3	3	3	2	5	9	26	22
Diabetes mellitus	860	0	0	0	0	2	2	5	4	5	12
Alzheimer's disease	776	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	352	0	0	0	0	0	0	0	0	0	0
Diseases of heart	7,929	6	1	1	2	5	10	19	37	72	105
Essential hypertension	300	0	0	0	0	0	0	2	1	3	1
Cerebrovascular diseases	1,320	2	1	0	1	0	0	2	6	9	10
Influenza and pneumonia	583	1	0	0	1	0	1	3	1	3	2
Chronic lower respiratory disease	1,842	0	0	2	2	2	2	0	1	3	5
Pneumonitis due to solids and liquids	356	0	0	0	0	0	0	0	2	1	1
Chronic liver disease and cirrhosis	426	0	0	0	0	0	0	4	8	9	17
Nephritis and nephrosis	782	1	0	0	0	0	1	1	2	3	9
Perinatal conditions	99	97	0	0	1	1	0	0	0	0	0
Congenital anomalies	119	57	6	5	4	5	4	0	2	3	0
Symptoms and ill-defined conditions	214	22	1	0	0	1	4	7	3	4	5
All other diseases	4,368	17	10	7	11	10	10	19	40	54	54
Unintentional injuries	2,387	35	25	11	19	75	165	207	178	228	156
... Motor vehicle crashes	694	1	8	8	14	59	64	55	61	58	45
... Falls	381	0	0	0	0	0	5	1	3	4	6
... Accidental poisoning	860	0	0	0	0	8	76	129	106	145	89
... Other unintentional injuries	452	34	17	3	5	8	20	22	8	21	16
Suicide	920	0	0	0	8	51	90	75	88	82	77
Homicide	539	5	4	3	4	44	82	99	80	64	41
All other external causes	82	1	1	0	2	2	3	5	6	6	6



**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	804	1,345	2,264	2,816	3,199	3,513	3,770	3,907	7,022	0
Enterocolitis due to Clostridium difficile	0	1	4	6	6	3	11	4	22	0
Septicemia	8	21	26	25	41	65	42	61	105	0
HIV / AIDS	5	13	11	6	5	4	0	1	0	0
Malignant neoplasms	124	298	598	847	933	1,071	1,016	890	1,019	0
...Colon, rectum, and anus	22	48	68	72	76	73	73	69	87	0
...Pancreas	9	29	49	68	78	84	63	60	51	0
...Trachea, bronchus, and lung	19	62	179	268	318	375	341	255	216	0
...Breast	2	0	2	1	2	1	0	1	3	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
...Prostate	0	7	20	40	35	73	90	103	169	0
...Urinary tract	6	14	26	43	60	62	69	78	108	0
...Non-Hodgkin's lymphoma	2	5	14	27	32	37	36	39	58	0
...Leukemia	3	12	12	16	28	39	61	56	54	0
...Other malignant neoplasms	61	121	228	312	304	327	283	229	273	0
Diabetes mellitus	25	39	75	104	106	125	117	98	141	0
Alzheimer's disease	0	0	3	12	17	40	103	144	457	0
Parkinson's disease	0	1	1	5	16	46	74	81	128	0
Diseases of heart	174	345	571	740	878	897	911	955	2,200	0
Essential hypertension	4	13	23	19	26	28	35	53	92	0
Cerebrovascular diseases	20	46	72	86	118	128	185	224	410	0
Influenza and pneumonia	10	13	22	31	45	48	70	110	222	0
Chronic lower respiratory disease	6	37	85	165	255	298	319	298	362	0
Pneumonitis due to solids and liquids	5	6	8	14	23	38	54	68	136	0
Chronic liver disease and cirrhosis	32	46	79	73	47	46	31	21	13	0
Nephritis and nephrosis	15	23	45	61	86	100	100	137	198	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	1	4	6	8	7	3	1	1	2	0
Symptoms and ill-defined conditions	5	8	13	11	17	15	19	24	55	0
All other diseases	104	167	312	366	416	425	544	606	1,196	0
Unintentional injuries	154	150	194	146	108	98	104	101	233	0
...Motor vehicle crashes	39	51	64	42	38	19	20	24	24	0
...Falls	6	12	19	21	23	43	50	51	137	0
...Accidental poisoning	88	68	74	50	16	5	1	0	5	0
...Other unintentional injuries	21	19	37	33	31	31	33	26	67	0
Suicide	80	77	74	75	38	31	26	27	21	0
Homicide	27	29	34	7	10	2	2	1	1	0
All other external causes	5	8	8	9	1	2	6	2	9	0

**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

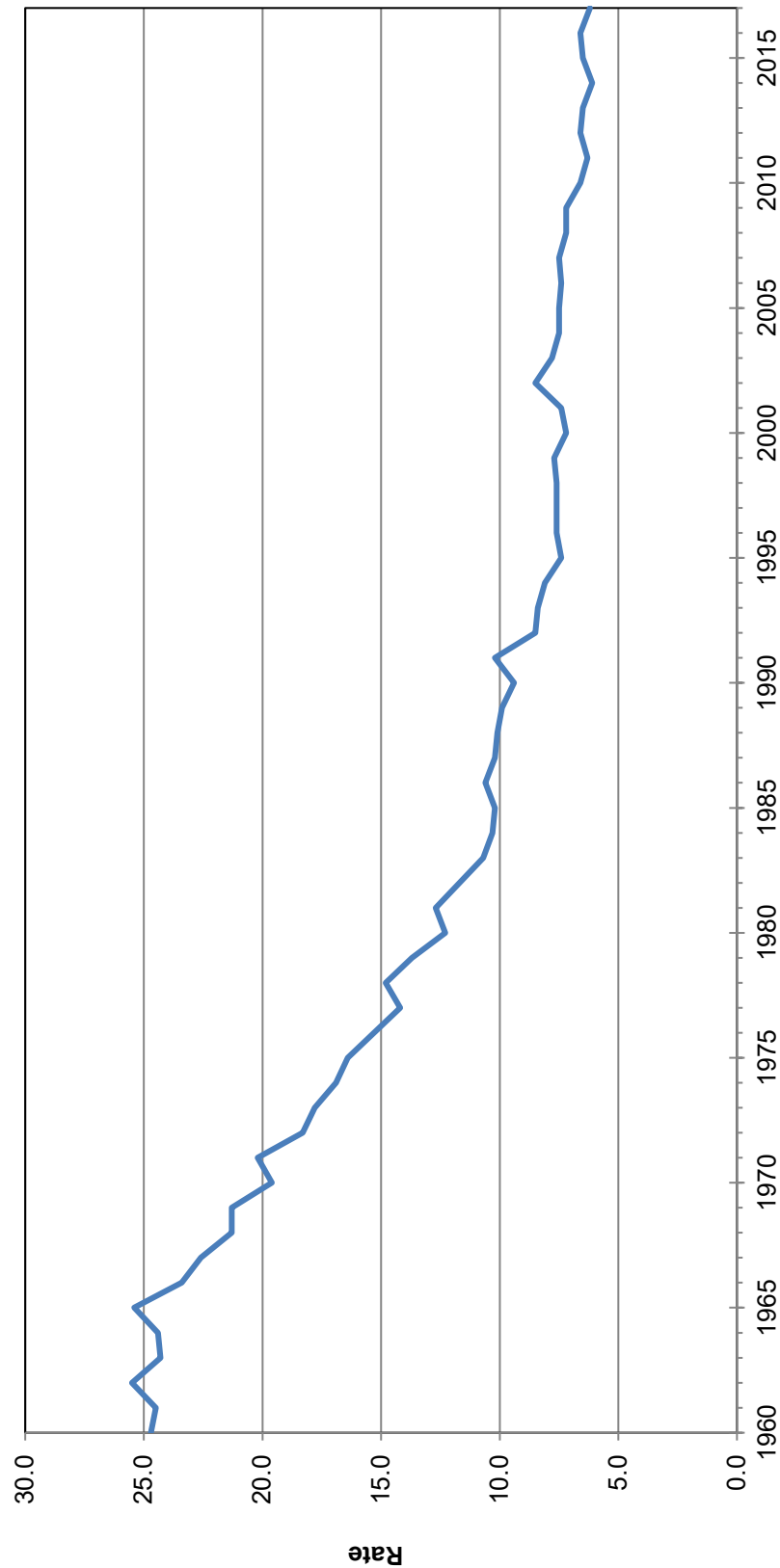
	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	30,146	209	39	20	32	77	147	186	192	274	337
Enterocolitis due to Clostridium difficile	95	0	0	0	0	0	0	0	0	0	1
Septicemia	448	0	2	1	0	0	1	1	4	5	4
HIV / AIDS	15	0	0	0	0	0	0	0	3	1	1
Malignant neoplasms	6,032	0	5	3	6	2	2	13	15	37	75
... Colon, rectum, and anus	502	0	0	0	0	0	0	0	1	3	5
... Pancreas	404	0	0	0	0	0	0	0	0	1	0
... Trachea, bronchus, and lung	1,647	0	0	0	0	0	0	0	1	3	7
... Breast	865	0	0	0	0	0	0	2	2	18	28
... Cervix uteri, corpus uteri, and ovary	571	0	0	0	0	0	1	1	4	4	12
... Prostate	0	0	0	0	0	0	0	0	0	0	0
... Urinary tract	227	0	0	0	0	0	0	0	0	2	1
... Non-Hodgkin's lymphoma	189	0	0	0	0	0	0	1	0	0	2
... Leukemia	191	0	3	0	2	0	0	3	0	1	1
... Other malignant neoplasms	1,436	0	2	3	4	2	1	6	7	5	19
Diabetes mellitus	746	0	0	0	1	2	1	3	1	9	11
Alzheimer's disease	1,769	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	268	0	0	0	0	0	0	0	0	0	0
Diseases of heart	6,889	4	2	0	0	3	1	7	10	33	52
Essential hypertension	400	0	0	0	0	0	0	0	0	0	1
Cerebrovascular diseases	1,839	0	2	1	1	1	1	4	2	6	11
Influenza and pneumonia	697	0	1	0	2	1	2	2	5	4	8
Chronic lower respiratory disease	2,099	0	0	2	1	1	2	1	2	4	10
Pneumonitis due to solids and liquids	236	0	0	0	0	0	1	0	1	1	0
Chronic liver disease and cirrhosis	264	0	0	0	0	0	0	2	6	7	12
Nephritis and nephrosis	733	1	0	0	0	0	0	0	0	3	4
Perinatal conditions	96	93	2	0	0	0	0	0	0	0	0
Congenital anomalies	90	53	2	1	3	0	0	0	0	1	1
Symptoms and ill-defined conditions	245	13	1	0	0	1	3	1	3	5	0
All other diseases	5,373	10	4	5	6	9	24	18	27	45	61
Unintentional injuries	1,386	32	13	6	7	39	70	94	80	88	63
... Motor vehicle crashes	300	2	7	5	2	29	33	25	24	22	14
... Falls	395	0	0	0	0	0	1	0	1	2	2
... Accidental poisoning	411	0	0	0	1	7	33	64	51	55	38
... Other unintentional injuries	280	30	6	1	4	3	3	5	4	9	9
Suicide	231	0	0	0	4	12	17	15	16	10	17
Homicide	115	3	4	1	1	6	20	19	13	12	2
All other external causes	80	0	1	0	0	0	2	6	4	3	3



**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2017**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	536	846	1,450	1,902	2,392	2,902	3,252	4,061	11,292	0
Enterocolitis due to Clostridium difficile	0	1	0	7	5	8	12	15	46	0
Septicemia	16	11	28	35	42	44	55	64	135	0
HIV / AIDS	4	1	2	0	1	1	1	0	0	0
Malignant neoplasms	144	247	523	660	810	850	827	747	1,066	0
...Colon, rectum, and anus	12	26	43	46	57	60	58	71	120	0
...Pancreas	2	13	39	48	52	65	68	46	70	0
...Trachea, bronchus, and lung	21	36	158	172	270	292	270	198	219	0
...Breast	33	63	86	95	113	95	96	86	148	0
...Cervix uteri, corpus uteri, and ovary	22	40	48	78	92	78	65	62	64	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	8	5	12	18	21	21	24	44	71	0
...Non-Hodgkin's lymphoma	1	3	8	14	14	21	31	36	58	0
...Leukemia	6	9	10	15	18	27	25	27	44	0
...Other malignant neoplasms	39	52	119	174	173	191	190	177	272	0
Diabetes mellitus	20	33	46	70	77	83	101	99	189	0
Alzheimer's disease	0	1	4	11	23	73	132	277	1,248	0
Parkinson's disease	1	0	3	7	12	25	36	61	123	0
Diseases of heart	95	175	265	400	441	555	673	925	3,248	0
Essential hypertension	2	9	9	10	25	28	35	56	225	0
Cerebrovascular diseases	18	33	42	73	117	158	196	297	876	0
Influenza and pneumonia	9	8	17	12	31	66	82	103	344	0
Chronic lower respiratory disease	16	35	97	138	225	328	317	356	564	0
Pneumonitis due to solids and liquids	5	7	9	9	10	17	22	30	124	0
Chronic liver disease and cirrhosis	15	27	43	35	26	30	23	16	22	0
Nephritis and nephrosis	12	14	30	40	59	81	79	127	283	0
Perinatal conditions	0	1	0	0	0	0	0	0	0	0
Congenital anomalies	1	1	6	6	5	3	2	3	2	0
Symptoms and ill-defined conditions	4	4	12	10	20	13	23	23	109	0
All other diseases	84	118	183	292	373	463	539	741	2,371	0
Unintentional injuries	55	85	79	55	64	58	81	112	305	0
...Motor vehicle crashes	7	20	22	14	21	16	19	11	7	0
...Falls	5	3	6	9	15	23	45	69	214	0
...Accidental poisoning	36	51	39	18	12	3	1	1	1	0
...Other unintentional injuries	7	11	12	14	16	16	16	31	83	0
Suicide	22	25	35	22	15	7	10	1	3	0
Homicide	7	7	8	2	3	2	2	1	2	0
All other external causes	6	3	9	8	8	9	4	7	7	0

Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2017



Year	Infant Deaths	Rate	Year	Infant Deaths	Rate
1960	2,414	24.7	1985	784	10.2
1965	2,060	25.4	1990	746	9.4
1970	1,580	19.6	1995	539	7.4
1975	1,123	16.4	2000	547	7.2
1980	970	12.3	2005	588	7.5
			2010	504	6.6
			2015	489	6.3
			2016	490	6.6
			2017	455	6.2



**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
<b>State Total</b>	717	455	436	281	174	27
<b>Counties</b>						
Adair	2	2	2	0	2	0
Andrew	1	1	1	0	1	0
Atchison	1	1	0	1	0	0
Audrain	4	4	1	3	1	0
Barry	2	1	1	1	0	1
Barton	1	2	1	0	2	0
Bates	3	1	2	1	0	0
Benton	1	2	0	1	1	0
Bollinger	0	1	0	0	1	0
Boone	16	17	5	11	6	1
Buchanan	9	8	8	1	7	0
Butler	0	1	0	0	1	0
Caldwell	0	0	0	0	0	0
Callaway	3	3	1	2	1	0
Camden	9	4	5	4	0	0
Cape Girardeau	1	3	1	0	3	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	4	4	3	1	3	0
Cedar	2	2	1	1	1	0
Chariton	0	0	0	0	0	0
Christian	11	5	6	5	0	0
Clark	1	0	1	0	0	0
Clay	26	16	18	8	8	0
Clinton	3	3	1	2	1	1
Cole	10	7	6	4	3	0
Cooper	3	2	3	0	2	0
Crawford	1	2	1	0	2	0
Dade	0	0	0	0	0	0
Dallas	3	4	0	3	1	0
Daviess	2	0	2	0	0	0
DeKalb	0	0	0	0	0	0
Dent	5	3	3	2	1	0
Douglas	2	0	2	0	0	0
Dunklin	3	0	3	0	0	0
Franklin	11	4	9	2	2	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	1	0	0	1	0
Greene	40	20	26	14	6	2
Grundy	3	2	1	2	0	0
Harrison	0	0	0	0	0	0
Henry	0	1	0	0	1	0
Hickory	1	0	1	0	0	0
Holt	0	0	0	0	0	0
Howard	2	1	1	1	0	1
Howell	7	4	3	4	0	0
Iron	0	0	0	0	0	0
Jackson	98	63	58	40	23	3
Jasper	15	4	12	3	1	0
Jefferson	17	11	11	6	5	0
Johnson	10	5	5	5	0	0
Knox	0	0	0	0	0	0
Laclede	2	0	2	0	0	0
Lafayette	3	2	2	1	1	0
Lawrence	11	9	5	6	3	0
Lewis	3	2	2	1	1	0
Lincoln	5	2	3	2	0	0
Linn	2	1	2	0	1	1
Livingston	2	1	1	1	0	0
McDonald	5	2	3	2	0	0
Macon	3	3	0	3	0	0
Madison	1	1	1	0	1	0
Maries	2	1	1	1	0	0
Marion	3	0	3	0	0	0
Mercer	4	3	1	3	0	0
Miller	2	0	2	0	0	0
Mississippi	0	3	0	0	3	0
Moniteau	1	0	1	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	3	1	2	1	0	0
New Madrid	3	3	0	3	0	0
Newton	10	5	7	3	2	0
Nodaway	1	0	1	0	0	0

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Oregon	1	1	0	1	0	0
Osage	2	0	2	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	3	3	1	2	1	0
Perry	2	0	2	0	0	0
Pettis	2	3	1	1	2	0
Phelps	0	1	0	0	1	2
Pike	3	0	3	0	0	0
Platte	10	6	6	4	2	0
Polk	3	1	2	1	0	1
Pulaski	4	3	3	1	2	0
Putnam	0	0	0	0	0	0
Ralls	1	0	1	0	0	0
Randolph	6	7	2	4	3	0
Ray	3	2	1	2	0	0
Reynolds	1	0	1	0	0	0
Ripley	1	1	0	1	0	0
St. Charles	30	21	12	18	3	2
St. Clair	1	0	1	0	0	0
St. Francois	9	4	5	4	0	1
Ste. Genevieve	2	0	2	0	0	0
St. Louis City	59	36	37	22	14	1
St. Louis County	115	77	74	41	36	6
Saline	4	2	2	2	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	4	1	3	1	0	0
Shannon	2	2	0	2	0	0
Shelby	2	2	0	2	0	0
Stoddard	3	1	2	1	0	1
Stone	2	3	0	2	1	0
Sullivan	3	0	3	0	0	0
Taney	14	9	9	5	4	1
Texas	0	0	0	0	0	1
Vernon	0	0	0	0	0	0
Warren	6	3	4	2	1	0
Washington	5	3	3	2	1	0
Wayne	1	1	0	1	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Webster	10	6	7	3	3	1
Worth	0	1	0	0	1	0
Wright	4	1	3	1	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	6	0	6	0	0	0
Blue Springs	4	3	2	2	1	0
Cape Girardeau	0	1	0	0	1	0
Chesterfield	3	3	0	3	0	0
Columbia	8	10	1	7	3	1
Florissant	10	5	7	3	2	0
Gladstone	2	1	2	0	1	0
Hazelwood	5	1	4	1	0	0
Independence	8	7	4	4	3	2
Jefferson City	7	6	4	3	3	0
Kirkwood	1	3	0	1	2	1
Lee's Summit	7	3	5	2	1	0
Liberty	3	2	2	1	1	0
Maryland Heights	3	1	2	1	0	0
O'Fallon	8	5	3	5	0	0
Raytown	4	4	1	3	1	0
St. Charles	1	1	1	0	1	1
St. Joseph	9	6	8	1	5	0
St. Louis City	59	36	37	22	14	1
St. Peters	8	6	2	6	0	1
Springfield	25	10	18	7	3	2
University City	4	3	1	3	0	0
Wentzville	6	3	3	3	0	0
Wildwood	1	1	1	0	1	0
<u>Multi-County Cities</u>						
Joplin	10	1	9	1	0	0
...Jasper Co. Part	9	0	9	0	0	0
...Newton Co. Part	1	1	0	1	0	0
Kansas City	85	54	53	32	22	1
...Jackson Co. Part	65	40	40	25	15	1
...Clay Co. Part	16	11	11	5	6	0
...Platte Co. Part	4	3	2	2	1	0
...Cass Co. Part	0	0	0	0	0	0



**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	459	275	280	179	96	18
<b>Counties</b>						
Adair	1	2	1	0	2	0
Andrew	1	1	1	0	1	0
Atchison	1	1	0	1	0	0
Audrain	3	2	1	2	0	0
Barry	0	0	0	0	0	1
Barton	1	2	1	0	2	0
Bates	3	1	2	1	0	0
Benton	1	2	0	1	1	0
Bollinger	0	1	0	0	1	0
Boone	10	8	4	6	2	0
Buchanan	4	5	3	1	4	0
Butler	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0
Callaway	2	2	1	1	1	0
Camden	8	4	4	4	0	0
Cape Girardeau	1	1	1	0	1	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	3	3	2	1	2	0
Cedar	2	2	1	1	1	0
Chariton	0	0	0	0	0	0
Christian	11	5	6	5	0	0
Clark	1	0	1	0	0	0
Clay	22	13	15	7	6	0
Clinton	3	3	1	2	1	1
Cole	4	4	2	2	2	0
Cooper	3	1	3	0	1	0
Crawford	1	1	1	0	1	0
Dade	0	0	0	0	0	0
Dallas	3	4	0	3	1	0
Daviess	2	0	2	0	0	0
DeKalb	0	0	0	0	0	0
Dent	5	3	3	2	1	0
Douglas	2	0	2	0	0	0
Dunklin	2	0	2	0	0	0
Franklin	11	4	9	2	2	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	1	0	0	1	0
Greene	28	16	18	10	6	2
Grundy	3	2	1	2	0	0
Harrison	0	0	0	0	0	0
Henry	0	1	0	0	1	0
Hickory	1	0	1	0	0	0
Holt	0	0	0	0	0	0
Howard	2	1	1	1	0	1
Howell	6	4	2	4	0	0
Iron	0	0	0	0	0	0
Jackson	35	23	21	14	9	1
Jasper	12	4	9	3	1	0
Jefferson	15	10	9	6	4	0
Johnson	9	5	4	5	0	0
Knox	0	0	0	0	0	0
Laclede	2	0	2	0	0	0
Lafayette	3	2	2	1	1	0
Lawrence	9	7	4	5	2	0
Lewis	3	2	2	1	1	0
Lincoln	5	2	3	2	0	0
Linn	2	1	2	0	1	1
Livingston	2	1	1	1	0	0
McDonald	4	1	3	1	0	0
Macon	2	2	0	2	0	0
Madison	1	1	1	0	1	0
Maries	1	0	1	0	0	0
Marion	2	0	2	0	0	0
Mercer	4	3	1	3	0	0
Miller	2	0	2	0	0	0
Mississippi	0	1	0	0	1	0
Moniteau	1	0	1	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	3	1	2	1	0	0
New Madrid	3	3	0	3	0	0
Newton	8	4	6	2	2	0
Nodaway	1	0	1	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	1	1	0	1	0	0
Osage	2	0	2	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	0	1	0	0	1	0
Perry	2	0	2	0	0	0
Pettis	1	2	1	0	2	0
Phelps	0	1	0	0	1	2
Pike	3	0	3	0	0	0
Platte	9	4	6	3	1	0
Polk	3	1	2	1	0	1
Pulaski	2	2	2	0	2	0
Putnam	0	0	0	0	0	0
Ralls	1	0	1	0	0	0
Randolph	4	4	2	2	2	0
Ray	3	2	1	2	0	0
Reynolds	1	0	1	0	0	0
Ripley	1	1	0	1	0	0
St. Charles	22	15	9	13	2	2
St. Clair	1	0	1	0	0	0
St. Francois	9	4	5	4	0	1
Ste. Genevieve	2	0	2	0	0	0
St. Louis City	14	5	10	4	1	0
St. Louis County	47	28	29	18	10	1
Saline	3	1	2	1	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	3	1	2	1	0	0
Shannon	2	2	0	2	0	0
Shelby	2	2	0	2	0	0
Stoddard	3	1	2	1	0	1
Stone	2	3	0	2	1	0
Sullivan	1	0	1	0	0	0
Taney	12	8	7	5	3	1
Texas	0	0	0	0	0	1
Vernon	0	0	0	0	0	0
Warren	6	3	4	2	1	0
Washington	5	3	3	2	1	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	8	5	6	2	3	1
Worth	0	1	0	0	1	0
Wright	4	1	3	1	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	5	0	5	0	0	0
Blue Springs	3	2	2	1	1	0
Cape Girardeau	0	0	0	0	0	0
Chesterfield	3	3	0	3	0	0
Columbia	5	5	1	4	1	0
Florissant	2	1	2	0	1	0
Gladstone	2	1	2	0	1	0
Hazelwood	1	0	1	0	0	0
Independence	6	6	3	3	3	1
Jefferson City	3	4	1	2	2	0
Kirkwood	0	0	0	0	0	0
Lee's Summit	5	3	3	2	1	0
Liberty	3	2	2	1	1	0
Maryland Heights	1	0	1	0	0	0
O'Fallon	5	4	1	4	0	0
Raytown	1	1	0	1	0	0
St. Charles	1	0	1	0	0	1
St. Joseph	4	4	3	1	3	0
St. Louis City	14	5	10	4	1	0
St. Peters	5	3	2	3	0	1
Springfield	15	7	11	4	3	2
University City	2	2	0	2	0	0
Wentzville	5	3	2	3	0	0
Wildwood	1	1	1	0	1	0
<u>Multi-County Cities</u>						
Joplin	9	1	8	1	0	0
...Jasper Co. Part	8	0	8	0	0	0
...Newton Co. Part	1	1	0	1	0	0
Kansas City	32	18	20	12	6	0
...Jackson Co. Part	15	8	9	6	2	0
...Clay Co. Part	13	8	9	4	4	0
...Platte Co. Part	4	2	2	2	0	0
...Cass Co. Part	0	0	0	0	0	0



**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	182	136	109	73	63	8
<b>Counties</b>						
Adair	1	0	1	0	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	1	0	0	1	0
Barry	0	0	0	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	0	0	0	0	0	0
Bollinger	0	0	0	0	0	0
Boone	3	6	0	3	3	1
Buchanan	4	2	4	0	2	0
Butler	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0
Callaway	0	0	0	0	0	0
Camden	0	0	0	0	0	0
Cape Girardeau	0	2	0	0	2	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	1	0	1	0	0	0
Cedar	0	0	0	0	0	0
Chariton	0	0	0	0	0	0
Christian	0	0	0	0	0	0
Clark	0	0	0	0	0	0
Clay	1	2	0	1	1	0
Clinton	0	0	0	0	0	0
Cole	6	3	4	2	1	0
Cooper	0	1	0	0	1	0
Crawford	0	1	0	0	1	0
Dade	0	0	0	0	0	0
Dallas	0	0	0	0	0	0
Daviess	0	0	0	0	0	0
DeKalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	0	0	0	0	0
Dunklin	1	0	1	0	0	0
Franklin	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	0	0	0	0	0
Greene	6	1	5	1	0	0
Grundy	0	0	0	0	0	0
Harrison	0	0	0	0	0	0
Henry	0	0	0	0	0	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	0	0	0	0	0	0
Howell	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Jackson	46	34	26	20	14	2
Jasper	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0
Johnson	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
McDonald	0	0	0	0	0	0
Macon	1	1	0	1	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	1	0	1	0	0	0
Mercer	0	0	0	0	0	0
Miller	0	0	0	0	0	0
Mississippi	0	2	0	0	2	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	0	0	0	0	0	0
Newton	0	0	0	0	0	0
Nodaway	0	0	0	0	0	0

**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2017**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	0	0	0	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	2	1	1	1	0	0
Perry	0	0	0	0	0	0
Pettis	1	1	0	1	0	0
Phelps	0	0	0	0	0	0
Pike	0	0	0	0	0	0
Platte	1	1	0	1	0	0
Polk	0	0	0	0	0	0
Pulaski	1	1	0	1	0	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	2	3	0	2	1	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
St. Charles	3	2	1	2	0	0
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
Ste. Genevieve	0	0	0	0	0	0
St. Louis City	41	30	24	17	13	1
St. Louis County	57	41	37	20	21	4
Saline	0	0	0	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	1	0	1	0	0	0
Shannon	0	0	0	0	0	0
Shelby	0	0	0	0	0	0
Stoddard	0	0	0	0	0	0
Stone	0	0	0	0	0	0
Sullivan	0	0	0	0	0	0
Taney	2	0	2	0	0	0
Texas	0	0	0	0	0	0
Vernon	0	0	0	0	0	0
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	0	0	0	0	0	0
Worth	0	0	0	0	0	0
Wright	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	1	1	0	1	0	0
Cape Girardeau	0	1	0	0	1	0
Chesterfield	0	0	0	0	0	0
Columbia	2	3	0	2	1	1
Florissant	7	4	4	3	1	0
Gladstone	0	0	0	0	0	0
Hazelwood	3	1	2	1	0	0
Independence	2	1	1	1	0	1
Jefferson City	4	2	3	1	1	0
Kirkwood	1	2	0	1	1	1
Lee's Summit	2	0	2	0	0	0
Liberty	0	0	0	0	0	0
Maryland Heights	0	0	0	0	0	0
O'Fallon	2	1	1	1	0	0
Raytown	2	3	0	2	1	0
St. Charles	0	0	0	0	0	0
St. Joseph	4	1	4	0	1	0
St. Louis City	41	30	24	17	13	1
St. Peters	0	0	0	0	0	0
Springfield	5	1	4	1	0	0
University City	1	0	1	0	0	0
Wentzville	0	0	0	0	0	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	0	0	0	0	0	0
...Newton Co. Part	0	0	0	0	0	0
...Jasper Co. Part	0	0	0	0	0	0
Kansas City	36	29	21	15	14	1
...Jackson Co. Part	35	27	21	14	13	1
...Clay Co. Part	1	2	0	1	1	0
...Cass Co. Part	0	0	0	0	0	0
...Platte Co. Part	0	0	0	0	0	0



**Table 22D. Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths  
by Resident BRFSS Region with Rates per 1,000 Live Births: Missouri, 2017**

	<u>Number</u>					<u>Rates</u>				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths
<b><u>BRFSS Regions</u></b>										
Northeast	42	25	24	18	7	14.0	8.4	8.0	6.0*	2.3*
Northwest	24	17	17	7	10	8.6	6.1*	6.1*	2.5*	3.6*
Central	75	53	42	33	20	8.9	6.3	5.0	3.9	2.4
Southeast	50	31	29	21	10	7.5	4.6	4.3	3.1	1.5*
Southwest	132	76	82	50	26	11.8	6.8	7.4	4.5	2.3
St. Louis Metro	244	156	151	93	63	9.7	6.2	6.0	3.7	2.5
Kansas City Metro	150	97	91	59	38	9.5	6.1	5.8	3.7	2.4
Metro	540	342	333	207	135	9.8	6.2	6.0	3.7	2.4
Non-Metro	177	113	103	74	39	10.0	6.4	5.8	4.2	2.2
State Total	717	455	436	281	174	9.8	6.2	6.0	3.8	2.4

\*Rate is unstable due to inclusion of fewer than 20 events.

**Table 22E. White Non-Hispanic and Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by Resident BRFSS Region: Missouri, 2017**

	<u>White Non-Hispanic</u>						<u>Black Non-Hispanic</u>					
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<u>BRFSS Regions</u>												
Northeast	34	20	20	14	6	1	5	4	2	3	1	0
Northwest	18	14	11	7	7	0	4	2	4	0	2	0
Central	56	34	35	21	13	3	11	13	4	7	6	1
Southeast	43	23	25	18	5	3	4	5	3	1	4	0
Southwest	106	65	65	41	24	6	8	1	7	1	0	0
St. Louis Metro	121	68	74	47	21	3	101	74	62	39	35	5
Kansas City Metro	81	51	50	31	20	2	49	37	27	22	15	2
Metro	310	184	192	118	66	10	169	124	102	67	57	8
Non-Metro	149	91	88	61	30	8	13	12	7	6	6	0
<u>State Total</u>	459	275	280	179	96	18	182	136	109	73	63	8



**Table 23. Resident Infant Deaths and Rates per 1,000 Live Births  
by Cause of Death by Race and by Age at Death: Missouri, 2017**

		Number	Rate	Neonatal Deaths	Post- Neonatal Deaths	Under 1 Hour	Over 1 Hour, < 1 Day	Over 1 Day, < 7 Days	Over 7 Days, < 28 Days	Over 28 Days, < 3 Months	Over 3 Months, < 6 Months	Over 6 Months, < 1 Year
<b>All Causes</b>	White	275	5.1	179	96	33	72	39	34	38	40	18
	Black	136	13.0	73	63	13	36	12	12	34	18	11
	Total	455	6.2	281	174	50	121	58	51	77	64	33
<b>Infectious Diseases (A00-B99, P35-P39)</b>	White	11	0.2	8	3	0	2	2	4	2	0	1
	Black	8	0.8	5	3	1	2	0	2	2	0	1
	Total	20	0.3	14	6	1	4	3	6	4	0	2
<b>Nervous System Diseases (G00-G98)</b>	White	3	0.1	0	3	0	0	0	0	0	0	3
	Black	1	0.1	0	1	0	0	0	0	1	0	0
	Total	4	0.1	0	4	0	0	0	0	1	0	3
<b>Circulatory System Diseases (I00-I99)</b>	White	7	0.1	0	7	0	0	0	0	3	4	0
	Black	5	0.5	1	4	0	0	1	0	3	0	1
	Total	14	0.2	2	12	0	0	1	1	7	4	1
<b>Respiratory System Diseases (J00-J99)</b>	White	8	0.1	0	8	0	0	0	0	2	4	2
	Black	0	0.0	0	0	0	0	0	0	0	0	0
	Total	8	0.1	0	8	0	0	0	0	2	4	2
<b>Perinatal Conditions (P00-P34, P39-P96)</b>	White	101	1.9	98	3	27	40	15	15	1	2	0
	Black	59	5.6	52	7	10	27	8	7	4	2	1
	Total	177	2.4	164	13	39	75	24	25	7	4	2
<b>Congenital Anomalies (Q00- Q99)</b>	White	79	1.5	63	16	6	28	21	8	5	6	5
	Black	18	1.7	14	4	2	7	3	2	3	0	1
	Total	110	1.5	89	21	10	40	29	10	9	6	6
<b>Sudden Infant Death Syndrome (R95)</b>	White	15	0.3	1	14	0	0	0	1	9	4	1
	Black	2	0.2	0	2	0	0	0	0	2	0	0
	Total	17	0.2	1	16	0	0	0	1	11	4	1
<b>Unintentional Injuries (V01- X59)</b>	White	32	0.6	4	28	0	1	0	3	11	15	2
	Black	29	2.8	1	28	0	0	0	1	13	13	2
	Total	67	0.9	5	62	0	1	0	4	25	32	5
<b>Homicide (X85-Y09)</b>	White	4	0.1	0	4	0	0	0	0	1	2	1
	Black	3	0.3	0	3	0	0	0	0	0	1	2
	Total	8	0.1	0	8	0	0	0	0	1	4	3
<b>All Other Causes</b>	White	15	0.3	5	10	0	1	1	3	4	3	3
	Black	11	1.1	0	11	0	0	0	0	6	2	3
	Total	30	0.4	6	24	0	1	1	4	10	6	8

**Table 24. Resident Infant Deaths and Rates per 1,000 Live Births  
by Age of Mother by Birth Order: Missouri, 2017**

	Birth Order					Rates				
	All Orders	1st	2nd or 3rd	4th or 5th	6th or More	All Orders	1st	2nd or 3rd	4th or 5th	6th or More
All Ages	471	127	211	83	50	6.5	5.9	6.2	6.6	9.7
Under 18	8	7	1	0	0	7.8*	7.7*	9.2*	0.0*	0
18-19	36	25	10	0	1	10.9	10.8	10.9*	0.0*	90.9*
20-24	115	36	65	9	5	6.9	5.3	8.2	5.8*	17.2*
25-29	135	29	63	36	7	5.9	4.4	5.6	8.7	5.7*
30-34	113	19	52	19	23	5.9	5.1*	5.5	4.5*	12.8
35-39	49	7	16	18	8	5.9	6.5*	4.4*	8.4*	5.7*
40 and Over	14	3	4	1	6	9.3*	16.9*	7.9*	2.5*	14.4*

**Table 25. Resident Infant Deaths and Rates per 1,000 Live Births  
by Birth Weight by Race of Mother: Missouri, 2017**

	Mother's Race			Rates		
	All Races	White	Black	All Races	White	Black
All Weights	471	284	132	6.5	5.3	12.6
Under 500 Grams	103	53	38	844.3	854.8	844.4
500-999 Grams	95	55	25	248.0	267.0	210.1
1,000-1,499 Grams	32	20	10	52.8	52.9	61.7*
1,500-1,999 Grams	32	22	8	24.9	27.1	24.2*
2,000-2,499 Grams	47	27	11	11.9	10.7	11.5*
2,500-2,999 Grams	56	35	13	4.3	4.1	4.7*
3,000-3,499 Grams	68	41	23	2.5	2.0	5.9
3,500-3,999 Grams	25	20	3	1.3	1.3	1.7*
4,000 or More Grams	4	3	1	0.7*	0.6*	2.5*

Infant death totals in Table 24 and 25 do not agree with the totals in Table 22 and 23 because Tables 24 and 25 include only infant deaths that have been matched with their corresponding birth records. In addition, Table 24 and 25 may include some infant deaths that came in after the cutoff date as explained in the Appendix under "Sources of Vital Records".

\*Rate is unstable due to inclusion of fewer than 20 events.



**Table 26A. Resident Deaths by Selected Causes of Death by Race and Hispanic Origin  
With Rates per 100,000 Residents: Missouri, 2017**

	Total Crude Rate	Total Age-Adjusted Rate*	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	1,012.0	820.0	61,866	53,855	6,717	578	688
Enterocolitis due to Clostridium difficile	2.5	2.0	155	146	8	0	1
Septicemia	14.1	11.3	861	717	119	12	13
HIV / AIDS	1.2	1.1	71	31	34	4	1
Malignant neoplasms	212.1	167.2	12,969	11,369	1,328	99	171
...Colon, rectum, and anus	18.1	14.5	1,108	956	134	9	8
...Pancreas	14.8	11.5	904	777	117	1	9
...Trachea, bronchus, and lung	60.4	46.6	3,691	3,299	322	18	51
...Breast	14.3	11.7	877	731	126	8	12
...Cervix uteri, corpus uteri, and ovary	9.3	7.5	571	479	78	4	10
...Prostate	8.8	6.9	537	444	82	5	6
...Urinary tract	11.4	9.0	698	636	45	9	8
...Non-Hodgkin's lymphoma	7.3	5.8	446	400	32	7	7
...Leukemia	8.0	6.5	487	451	29	1	6
...Other malignant neoplasms	59.7	47.2	3,650	3,196	363	37	54
Diabetes mellitus	26.3	21.0	1,606	1,357	203	26	19
Alzheimer's disease	41.6	32.3	2,545	2,331	186	14	14
Parkinson's disease	10.1	8.1	620	586	25	4	5
Diseases of heart	242.4	191.1	14,818	13,090	1,480	118	122
Essential hypertension	11.5	9.0	700	597	89	8	6
Cerebrovascular diseases	51.7	41.0	3,159	2,717	382	21	39
Influenza and pneumonia	20.9	16.7	1,280	1,170	88	6	15
Chronic lower respiratory disease	64.5	50.7	3,941	3,683	211	13	30
Pneumonitis due to solids and liquids	9.7	7.7	592	534	48	9	1
Chronic liver disease and cirrhosis	11.3	9.3	690	624	47	13	6
Nephritis and nephrosis	24.8	19.6	1,515	1,234	243	17	20
Conditions orig. in perinatal period	3.2	3.7	195	113	64	5	13
Congenital anomalies	3.4	3.5	209	160	31	11	7
Symptoms and ill-defined conditions	7.5	6.3	459	389	56	5	8
All other diseases	159.3	127.4	9,741	8,526	1,010	92	109
Unintentional injuries	61.7	58.8	3,773	3,076	570	66	57
...Motor vehicle crashes	16.3	16.0	994	797	153	23	19
...Falls	12.7	10.1	776	711	49	10	6
...Accidental poisoning	20.8	21.8	1,271	957	271	19	23
...Other unintentional injuries	12.0	10.8	732	611	97	14	9
Suicide	18.8	18.5	1,151	1,053	66	14	17
Homicide	10.7	11.3	654	206	414	20	14
All other external causes	2.6	2.4	162	146	15	1	0

\*United States 2000 population distribution used as the standard for age-adjusted death rates.

**Table 26B. Resident Deaths by Selected Causes of Death by BRFSS Region and Metro/Non-Metro Area: Missouri, 2017**

	BRFSS Region							Metro	Non-Metro
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest		
All causes	6,816	11,339	2,945	2,463	20,670	7,187	10,445	43,435	18,430
Enterocolitis due to Clostridium difficile	11	34	4	7	29	21	49	113	42
Septicemia	97	160	51	34	301	92	126	614	247
HIV / AIDS	5	18	1	0	30	7	10	59	12
Malignant neoplasms	1,438	2,400	635	510	4,306	1,525	2,155	9,058	3,911
...Colon, rectum, and anus	123	207	53	42	370	119	194	762	346
...Pancreas	114	181	40	36	305	93	135	648	256
...Trachea, bronchus, and lung	415	658	157	156	1,158	512	635	2,489	1,202
...Breast	106	179	45	27	305	89	126	635	242
...Cervix uteri, corpus uteri, and ovary	32	100	33	20	235	53	98	432	139
...Prostate	54	82	35	21	180	70	95	359	178
...Urinary tract	97	122	32	34	206	80	127	481	217
...Non-Hodgkin's lymphoma	49	71	22	16	156	54	78	304	142
...Leukemia	68	100	27	21	155	64	52	333	154
...Other malignant neoplasms	380	700	191	137	1,236	391	615	2,615	1,035
Diabetes mellitus	265	244	89	113	475	189	231	1,059	547
Alzheimer's disease	220	327	128	100	990	304	476	1,834	711
Parkinson's disease	59	121	27	28	220	51	114	452	168
Diseases of heart	1,612	2,412	692	599	4,999	1,786	2,718	10,154	4,664
Essential hypertension	185	141	57	23	162	59	73	444	256
Cerebrovascular diseases	336	568	147	128	1,104	355	521	2,269	890
Influenza and pneumonia	127	226	82	52	426	162	205	884	396
Chronic lower respiratory disease	492	738	204	158	991	606	752	2,495	1,446
Pneumonitis due to solids and liquids	55	135	24	45	224	41	68	448	144
Chronic liver disease and cirrhosis	90	108	28	21	250	68	125	504	186
Nephritis and nephrosis	141	323	65	58	483	205	240	1,082	433
Conditions orig. in perinatal period	12	45	14	3	75	16	30	148	47
Congenital anomalies	33	42	12	10	66	16	30	149	60
Symptoms and ill-defined conditions	71	77	37	24	103	77	70	273	186
All other diseases	1,037	2,103	443	375	3,144	1,050	1,589	7,072	2,669
Unintentional injuries	364	672	141	113	1,558	367	557	2,818	954
...Motor vehicle crashes	116	202	52	41	274	130	179	647	347
...Falls	57	160	21	22	386	50	80	633	143
...Accidental poisoning	96	179	20	23	691	84	177	1,062	208
...Other unintentional injuries	95	131	48	27	207	103	121	476	256
Suicide	123	246	47	44	351	120	220	827	324
Homicide	23	172	11	13	336	45	54	573	81
All other external causes	20	27	6	5	47	25	32	106	56



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	244	155	70	328	439	141	229
Enterocolitis due to Clostridium difficile	0	0	0	0	3	3	0
Septicemia	0	1	1	2	6	1	4
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	68	43	14	81	107	36	46
...Colon, rectum, and anus	8	5	1	8	12	5	7
...Pancreas	3	5	2	3	8	1	4
...Trachea, bronchus, and lung	22	14	2	29	29	7	9
...Breast	2	1	0	6	6	1	4
...Cervix uteri, corpus uteri, and ovary	3	1	1	0	1	3	2
...Prostate	5	1	0	4	4	3	4
...Urinary tract	2	3	0	5	7	0	1
...Non-Hodgkin's lymphoma	1	0	2	4	5	0	2
...Leukemia	3	1	1	3	2	1	2
...Other malignant neoplasms	19	12	5	19	33	15	11
Diabetes mellitus	9	4	7	13	6	4	1
Alzheimer's disease	6	9	6	5	14	5	11
Parkinson's disease	4	1	1	6	5	2	2
Diseases of heart	43	36	14	65	116	33	57
Essential hypertension	9	2	0	12	2	0	0
Cerebrovascular diseases	14	11	2	9	25	7	19
Influenza and pneumonia	2	1	0	10	4	7	5
Chronic lower respiratory disease	15	10	8	28	28	7	25
Pneumonitis due to solids and liquids	0	0	0	3	2	0	1
Chronic liver disease and cirrhosis	0	1	1	0	4	0	3
Nephritis and nephrosis	7	1	2	14	10	8	2
Conditions orig. in perinatal period	1	0	0	0	1	0	1
Congenital anomalies	0	1	2	3	0	0	1
Symptoms and ill-defined conditions	2	1	0	6	2	3	1
All other diseases	38	21	7	53	66	17	29
Unintentional injuries	17	7	5	10	29	6	18
...Motor vehicle crashes	5	3	0	6	18	0	9
...Falls	1	1	3	1	2	2	5
...Accidental poisoning	5	2	1	1	4	3	4
...Other unintentional injuries	6	1	1	2	5	1	0
Suicide	6	5	0	5	7	2	3
Homicide	3	0	0	2	0	0	0
All other external causes	0	0	0	1	2	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	309	158	1,084	987	585	103	399
Enterocolitis due to Clostridium difficile	0	1	4	4	3	0	1
Septicemia	2	1	12	14	11	0	12
HIV / AIDS	0	0	1	0	1	0	0
Malignant neoplasms	79	32	217	202	126	28	106
...Colon, rectum, and anus	8	2	21	9	10	3	4
...Pancreas	3	2	18	10	7	1	12
...Trachea, bronchus, and lung	32	10	51	71	53	15	35
...Breast	4	1	16	11	7	3	6
...Cervix uteri, corpus uteri, and ovary	1	1	4	11	5	1	4
...Prostate	3	1	7	7	4	1	3
...Urinary tract	6	3	25	14	9	0	7
...Non-Hodgkin's lymphoma	2	0	10	9	5	0	2
...Leukemia	2	3	9	6	3	0	3
...Other malignant neoplasms	18	9	56	54	23	4	30
Diabetes mellitus	6	4	44	61	24	2	12
Alzheimer's disease	13	6	47	44	31	5	12
Parkinson's disease	6	1	10	11	3	0	1
Diseases of heart	62	50	243	222	109	19	85
Essential hypertension	5	0	16	14	3	1	4
Cerebrovascular diseases	21	7	71	55	33	7	23
Influenza and pneumonia	0	4	17	32	23	0	5
Chronic lower respiratory disease	23	9	48	67	58	8	29
Pneumonitis due to solids and liquids	2	0	16	5	4	2	2
Chronic liver disease and cirrhosis	4	0	15	13	6	2	6
Nephritis and nephrosis	5	5	18	21	16	2	7
Conditions orig. in perinatal period	1	0	5	0	0	0	1
Congenital anomalies	0	0	9	3	1	0	0
Symptoms and ill-defined conditions	3	7	7	6	8	0	8
All other diseases	54	19	206	141	82	18	55
Unintentional injuries	14	9	50	41	29	7	20
...Motor vehicle crashes	4	4	10	10	11	3	10
...Falls	1	0	7	8	1	1	2
...Accidental poisoning	2	3	22	11	8	2	4
...Other unintentional injuries	7	2	11	12	9	1	4
Suicide	5	2	18	17	10	2	8
Homicide	3	0	9	12	3	0	1
All other external causes	1	1	1	2	1	0	1



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	469	767	114	81	1,002	192	97
Enterocolitis due to Clostridium difficile	2	3	0	0	1	0	0
Septicemia	8	9	2	0	12	2	0
HIV / AIDS	1	0	0	0	1	0	0
Malignant neoplasms	122	150	18	19	207	36	29
...Colon, rectum, and anus	9	13	1	0	22	4	1
...Pancreas	8	6	1	0	15	2	0
...Trachea, bronchus, and lung	42	41	7	6	72	13	10
...Breast	6	17	3	1	14	2	2
...Cervix uteri, corpus uteri, and ovary	4	4	3	1	10	0	3
...Prostate	7	11	0	1	8	1	3
...Urinary tract	8	6	0	2	6	4	0
...Non-Hodgkin's lymphoma	3	5	0	1	5	3	1
...Leukemia	6	7	0	2	4	1	0
...Other malignant neoplasms	29	40	3	5	51	6	9
Diabetes mellitus	18	10	3	1	23	5	4
Alzheimer's disease	8	39	1	6	27	3	3
Parkinson's disease	3	9	1	1	9	1	0
Diseases of heart	108	200	37	13	250	60	23
Essential hypertension	3	3	0	0	8	1	4
Cerebrovascular diseases	21	46	9	4	40	7	4
Influenza and pneumonia	12	21	1	3	19	8	5
Chronic lower respiratory disease	33	45	8	10	69	18	7
Pneumonitis due to solids and liquids	1	5	0	0	4	0	0
Chronic liver disease and cirrhosis	8	3	0	1	7	1	0
Nephritis and nephrosis	8	26	2	4	27	3	2
Conditions orig. in perinatal period	1	0	0	0	0	1	0
Congenital anomalies	2	0	0	1	5	0	0
Symptoms and ill-defined conditions	4	7	2	3	4	0	0
All other diseases	69	138	22	13	208	37	14
Unintentional injuries	25	33	6	1	59	5	2
...Motor vehicle crashes	10	13	4	0	18	2	1
...Falls	3	6	2	0	18	0	0
...Accidental poisoning	7	3	0	1	14	1	0
...Other unintentional injuries	5	11	0	0	9	2	1
Suicide	12	9	2	1	19	2	0
Homicide	0	6	0	0	2	1	0
All other external causes	0	5	0	0	1	1	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	700	71	1,820	267	624	187	319
Enterocolitis due to Clostridium difficile	3	0	2	2	0	2	0
Septicemia	6	1	15	2	10	2	6
HIV / AIDS	0	0	2	1	2	0	0
Malignant neoplasms	148	11	408	57	133	37	69
...Colon, rectum, and anus	10	0	33	4	10	4	4
...Pancreas	10	0	23	1	8	2	3
...Trachea, bronchus, and lung	43	6	104	18	32	12	21
...Breast	6	0	33	6	17	1	3
...Cervix uteri, corpus uteri, and ovary	11	0	18	1	4	1	6
...Prostate	8	0	10	4	1	2	4
...Urinary tract	7	1	28	1	10	3	6
...Non-Hodgkin's lymphoma	4	0	16	2	2	4	6
...Leukemia	7	0	23	1	3	1	4
...Other malignant neoplasms	42	4	120	19	46	7	12
Diabetes mellitus	28	3	44	4	21	1	5
Alzheimer's disease	46	9	60	10	19	5	15
Parkinson's disease	9	0	32	4	6	0	3
Diseases of heart	136	24	348	62	127	62	103
Essential hypertension	4	0	45	8	38	3	3
Cerebrovascular diseases	48	4	88	21	27	11	10
Influenza and pneumonia	15	3	47	2	6	0	6
Chronic lower respiratory disease	43	2	130	18	50	14	15
Pneumonitis due to solids and liquids	3	2	28	6	7	5	2
Chronic liver disease and cirrhosis	8	0	19	2	10	6	3
Nephritis and nephrosis	18	2	51	8	19	4	6
Conditions orig. in perinatal period	2	0	8	2	2	0	0
Congenital anomalies	3	0	9	0	4	0	1
Symptoms and ill-defined conditions	4	4	11	0	4	1	2
All other diseases	113	6	319	43	88	31	36
Unintentional injuries	43	0	102	8	34	1	18
...Motor vehicle crashes	15	0	32	0	8	1	8
...Falls	5	0	35	2	6	0	3
...Accidental poisoning	16	0	22	2	8	0	3
...Other unintentional injuries	7	0	13	4	12	0	4
Suicide	19	0	45	6	10	2	7
Homicide	1	0	4	0	6	0	8
All other external causes	0	0	3	1	1	0	1



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Dade	Dallas	Daviess	DeKalb	Dent	Douglas	Dunklin
All causes	101	201	83	133	191	176	459
Enterocolitis due to Clostridium difficile	0	3	0	0	0	0	0
Septicemia	0	2	2	1	3	2	8
HIV / AIDS	0	0	0	0	0	0	1
Malignant neoplasms	23	47	16	39	44	26	88
...Colon, rectum, and anus	4	1	2	3	2	1	7
...Pancreas	1	4	0	4	6	2	8
...Trachea, bronchus, and lung	10	18	6	13	13	8	37
...Breast	0	2	0	0	1	0	4
...Cervix uteri, corpus uteri, and ovary	0	1	1	0	0	1	3
...Prostate	0	0	0	2	3	1	4
...Urinary tract	4	3	1	1	2	1	2
...Non-Hodgkin's lymphoma	0	3	1	1	2	3	1
...Leukemia	0	0	0	2	4	0	5
...Other malignant neoplasms	4	15	5	13	11	9	17
Diabetes mellitus	4	4	1	4	6	6	12
Alzheimer's disease	7	3	0	3	7	16	24
Parkinson's disease	2	1	1	2	3	0	4
Diseases of heart	23	52	22	28	35	48	123
Essential hypertension	1	2	2	0	2	10	1
Cerebrovascular diseases	6	8	9	7	11	12	27
Influenza and pneumonia	2	2	2	3	7	3	8
Chronic lower respiratory disease	7	15	5	11	15	15	44
Pneumonitis due to solids and liquids	1	1	1	0	0	0	3
Chronic liver disease and cirrhosis	0	2	1	0	3	2	4
Nephritis and nephrosis	3	4	2	6	2	3	7
Conditions orig. in perinatal period	0	3	0	0	1	0	0
Congenital anomalies	0	0	0	0	2	0	1
Symptoms and ill-defined conditions	2	2	0	3	2	1	4
All other diseases	13	32	13	19	30	23	68
Unintentional injuries	6	13	4	6	13	5	23
...Motor vehicle crashes	1	1	1	2	6	0	9
...Falls	3	4	1	1	1	4	0
...Accidental poisoning	1	3	2	0	4	0	8
...Other unintentional injuries	1	5	0	3	2	1	6
Suicide	1	2	2	1	2	1	7
Homicide	0	2	0	0	0	2	1
All other external causes	0	1	0	0	3	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	1,004	221	104	2,975	112	127	297
Enterocolitis due to Clostridium difficile	3	0	1	20	0	2	0
Septicemia	13	3	1	34	1	3	5
HIV / AIDS	0	0	0	7	0	0	1
Malignant neoplasms	218	38	12	565	18	27	52
...Colon, rectum, and anus	20	2	3	41	1	4	4
...Pancreas	21	4	0	40	0	2	2
...Trachea, bronchus, and lung	70	12	1	163	3	7	19
...Breast	11	4	1	25	2	2	3
...Cervix uteri, corpus uteri, and ovary	12	1	0	27	2	1	0
...Prostate	9	4	0	24	1	1	1
...Urinary tract	9	2	2	32	1	2	3
...Non-Hodgkin's lymphoma	7	0	0	21	1	1	2
...Leukemia	9	0	1	11	1	2	1
...Other malignant neoplasms	50	9	4	181	6	5	17
Diabetes mellitus	28	12	0	60	1	5	2
Alzheimer's disease	43	14	8	190	8	8	14
Parkinson's disease	6	2	1	37	1	1	3
Diseases of heart	245	48	24	723	27	32	103
Essential hypertension	4	2	0	28	1	0	0
Cerebrovascular diseases	44	13	6	136	5	5	22
Influenza and pneumonia	22	4	3	54	3	2	3
Chronic lower respiratory disease	69	22	12	191	12	9	26
Pneumonitis due to solids and liquids	7	2	1	26	1	1	5
Chronic liver disease and cirrhosis	14	5	1	53	1	1	0
Nephritis and nephrosis	12	5	1	69	2	2	2
Conditions orig. in perinatal period	2	0	0	9	2	0	0
Congenital anomalies	3	0	1	9	0	1	1
Symptoms and ill-defined conditions	2	1	1	15	1	2	3
All other diseases	147	29	25	493	18	18	33
Unintentional injuries	90	17	4	154	9	8	10
...Motor vehicle crashes	17	7	1	35	3	4	4
...Falls	32	3	0	24	1	2	3
...Accidental poisoning	26	3	2	71	0	0	1
...Other unintentional injuries	15	4	1	24	5	2	2
Suicide	23	3	1	70	1	0	8
Homicide	7	0	1	23	0	0	3
All other external causes	2	1	0	9	0	0	1



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	151	56	118	501	165	6,476	1,289
Enterocolitis due to Clostridium difficile	1	0	0	1	0	23	1
Septicemia	2	1	2	3	0	111	20
HIV / AIDS	0	0	0	1	0	13	0
Malignant neoplasms	37	13	22	129	29	1,329	288
...Colon, rectum, and anus	5	2	2	9	2	115	29
...Pancreas	4	2	1	8	1	109	17
...Trachea, bronchus, and lung	12	3	6	45	9	349	84
...Breast	1	0	1	6	1	88	20
...Cervix uteri, corpus uteri, and ovary	4	0	0	6	2	53	13
...Prostate	2	1	1	5	2	48	13
...Urinary tract	2	1	1	7	1	70	18
...Non-Hodgkin's lymphoma	0	0	2	4	1	38	6
...Leukemia	0	0	1	7	4	59	8
...Other malignant neoplasms	7	4	7	32	6	400	80
Diabetes mellitus	4	4	2	16	1	140	29
Alzheimer's disease	3	1	7	18	2	173	43
Parkinson's disease	2	2	1	2	1	61	8
Diseases of heart	34	13	31	103	52	1,375	340
Essential hypertension	1	1	1	5	1	50	9
Cerebrovascular diseases	7	3	9	27	11	326	59
Influenza and pneumonia	2	1	7	11	2	114	34
Chronic lower respiratory disease	14	2	3	33	18	382	109
Pneumonitis due to solids and liquids	0	0	1	3	1	79	5
Chronic liver disease and cirrhosis	3	1	2	7	2	60	17
Nephritis and nephrosis	3	2	2	4	5	194	40
Conditions orig. in perinatal period	0	0	0	4	0	28	2
Congenital anomalies	0	0	3	1	1	24	3
Symptoms and ill-defined conditions	0	0	0	2	2	54	7
All other diseases	27	9	20	81	22	1,220	180
Unintentional injuries	4	1	4	29	9	397	48
...Motor vehicle crashes	2	1	1	10	3	117	12
...Falls	0	0	0	4	0	79	11
...Accidental poisoning	2	0	0	5	4	115	12
...Other unintentional injuries	0	0	3	10	2	86	13
Suicide	4	2	1	15	2	142	39
Homicide	2	0	0	5	2	164	5
All other external causes	1	0	0	1	2	17	3

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	2,147	400	37	447	405	498	124
Enterocolitis due to Clostridium difficile	4	0	1	0	5	1	0
Septicemia	28	6	1	6	6	3	9
HIV / AIDS	1	0	0	0	1	0	0
Malignant neoplasms	468	84	7	89	85	98	22
...Colon, rectum, and anus	34	10	2	12	5	10	1
...Pancreas	22	7	1	4	11	6	1
...Trachea, bronchus, and lung	138	20	2	33	25	30	6
...Breast	27	6	1	5	7	10	1
...Cervix uteri, corpus uteri, and ovary	20	2	0	1	4	7	1
...Prostate	18	6	0	0	3	3	1
...Urinary tract	29	7	0	2	6	3	1
...Non-Hodgkin's lymphoma	12	1	0	3	2	4	0
...Leukemia	10	5	0	7	4	4	0
...Other malignant neoplasms	158	20	1	22	18	21	10
Diabetes mellitus	57	15	1	16	12	21	5
Alzheimer's disease	80	5	4	10	9	38	4
Parkinson's disease	23	3	0	8	1	5	1
Diseases of heart	468	111	11	104	84	120	34
Essential hypertension	23	4	1	17	4	2	1
Cerebrovascular diseases	103	14	4	23	17	20	5
Influenza and pneumonia	55	2	0	12	11	11	3
Chronic lower respiratory disease	151	15	2	55	32	37	4
Pneumonitis due to solids and liquids	22	35	0	4	4	0	1
Chronic liver disease and cirrhosis	29	1	0	7	3	7	2
Nephritis and nephrosis	45	15	1	9	16	9	2
Conditions orig. in perinatal period	5	3	0	0	1	3	0
Congenital anomalies	3	2	0	0	0	4	1
Symptoms and ill-defined conditions	13	4	0	3	2	1	7
All other diseases	294	52	2	63	83	82	18
Unintentional injuries	202	16	1	13	24	26	4
...Motor vehicle crashes	49	9	0	6	6	11	1
...Falls	44	1	0	3	5	5	0
...Accidental poisoning	81	2	0	1	5	6	0
...Other unintentional injuries	28	4	1	3	8	4	3
Suicide	56	10	1	6	4	7	0
Homicide	7	0	0	0	0	2	1
All other external causes	10	3	0	2	1	1	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Lincoln	Linn	Livingston	McDonald	Macon	Madison	Maries
All causes	487	177	173	254	197	179	107
Enterocolitis due to Clostridium difficile	1	0	0	1	0	0	0
Septicemia	13	3	3	4	4	1	3
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	88	42	41	53	41	40	17
...Colon, rectum, and anus	5	6	0	4	5	5	2
...Pancreas	6	1	3	1	4	2	3
...Trachea, bronchus, and lung	21	6	11	14	11	14	5
...Breast	6	1	5	2	0	3	0
...Cervix uteri, corpus uteri, and ovary	7	2	1	3	0	1	0
...Prostate	3	2	3	3	1	2	1
...Urinary tract	3	3	1	2	1	0	0
...Non-Hodgkin's lymphoma	1	1	2	3	3	0	0
...Leukemia	3	3	3	1	3	1	0
...Other malignant neoplasms	33	17	12	20	13	12	6
Diabetes mellitus	19	3	6	4	4	4	1
Alzheimer's disease	34	7	7	7	8	15	2
Parkinson's disease	3	1	1	2	1	2	0
Diseases of heart	110	49	34	65	53	42	33
Essential hypertension	3	3	2	3	1	0	3
Cerebrovascular diseases	24	7	6	10	15	8	3
Influenza and pneumonia	11	4	6	1	3	4	2
Chronic lower respiratory disease	43	12	11	27	13	18	12
Pneumonitis due to solids and liquids	6	3	2	1	1	0	0
Chronic liver disease and cirrhosis	9	4	3	1	2	0	1
Nephritis and nephrosis	13	5	1	5	5	5	2
Conditions orig. in perinatal period	1	0	0	1	1	0	0
Congenital anomalies	1	0	3	1	2	1	2
Symptoms and ill-defined conditions	1	1	1	5	2	2	1
All other diseases	58	21	32	36	25	20	17
Unintentional injuries	36	6	9	23	11	11	5
...Motor vehicle crashes	12	5	5	14	2	4	2
...Falls	6	0	3	2	1	0	0
...Accidental poisoning	14	1	1	4	0	3	3
...Other unintentional injuries	4	0	0	3	8	4	0
Suicide	12	4	4	2	4	4	2
Homicide	0	2	1	2	0	1	0
All other external causes	1	0	0	0	1	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Marion	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	354	41	286	189	142	101	194
Enterocolitis due to Clostridium difficile	3	0	0	1	0	0	0
Septicemia	11	0	4	0	1	3	3
HIV / AIDS	1	0	0	1	0	0	0
Malignant neoplasms	85	13	59	50	20	27	35
...Colon, rectum, and anus	6	2	6	4	1	1	3
...Pancreas	3	3	4	3	2	2	3
...Trachea, bronchus, and lung	20	4	20	11	3	9	13
...Breast	7	0	9	3	1	2	5
...Cervix uteri, corpus uteri, and ovary	5	0	1	0	1	1	0
...Prostate	8	2	2	2	1	0	1
...Urinary tract	6	1	3	7	2	0	0
...Non-Hodgkin's lymphoma	4	0	2	1	2	1	1
...Leukemia	4	0	3	0	3	2	3
...Other malignant neoplasms	22	1	9	19	4	9	6
Diabetes mellitus	14	0	20	0	22	2	3
Alzheimer's disease	20	2	10	3	0	5	6
Parkinson's disease	3	0	1	2	1	0	1
Diseases of heart	74	10	66	53	35	21	65
Essential hypertension	3	0	13	0	9	1	9
Cerebrovascular diseases	16	1	12	6	6	5	11
Influenza and pneumonia	17	0	5	2	1	5	4
Chronic lower respiratory disease	25	2	20	15	12	7	14
Pneumonitis due to solids and liquids	1	0	1	3	0	2	3
Chronic liver disease and cirrhosis	2	0	6	0	1	3	3
Nephritis and nephrosis	3	0	3	6	4	2	3
Conditions orig. in perinatal period	0	3	0	0	0	0	0
Congenital anomalies	0	0	0	2	0	0	0
Symptoms and ill-defined conditions	3	0	2	2	2	1	0
All other diseases	54	8	40	22	19	13	23
Unintentional injuries	13	0	18	15	5	3	5
...Motor vehicle crashes	3	0	3	6	2	1	0
...Falls	4	0	3	3	0	0	0
...Accidental poisoning	5	0	5	3	0	0	0
...Other unintentional injuries	1	0	7	3	3	2	5
Suicide	6	2	4	2	4	1	4
Homicide	0	0	2	4	0	0	1
All other external causes	0	0	0	0	0	0	1



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	265	239	664	199	145	141	133
Enterocolitis due to Clostridium difficile	0	2	5	0	0	0	0
Septicemia	5	4	17	1	2	4	1
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	51	46	131	37	26	30	33
...Colon, rectum, and anus	4	5	16	2	2	3	1
...Pancreas	3	3	8	3	0	3	3
...Trachea, bronchus, and lung	13	17	35	10	10	7	11
...Breast	4	0	9	3	0	2	1
...Cervix uteri, corpus uteri, and ovary	1	4	9	0	1	0	2
...Prostate	1	0	6	3	3	3	2
...Urinary tract	3	2	11	3	1	1	1
...Non-Hodgkin's lymphoma	4	2	4	1	1	1	1
...Leukemia	2	3	3	3	1	2	2
...Other malignant neoplasms	16	10	30	9	7	8	9
Diabetes mellitus	9	6	12	7	1	6	2
Alzheimer's disease	2	17	20	13	3	1	2
Parkinson's disease	1	0	10	4	2	1	0
Diseases of heart	71	51	170	53	46	38	32
Essential hypertension	11	3	2	0	2	1	0
Cerebrovascular diseases	12	10	29	5	7	6	8
Influenza and pneumonia	6	6	15	5	0	3	2
Chronic lower respiratory disease	15	30	47	9	6	2	11
Pneumonitis due to solids and liquids	2	2	5	2	0	3	0
Chronic liver disease and cirrhosis	3	1	4	1	1	2	1
Nephritis and nephrosis	6	5	16	3	2	1	2
Conditions orig. in perinatal period	0	2	1	0	0	0	0
Congenital anomalies	1	1	1	0	1	1	0
Symptoms and ill-defined conditions	3	1	10	3	11	0	1
All other diseases	53	33	117	42	21	28	27
Unintentional injuries	10	11	35	11	9	8	8
...Motor vehicle crashes	3	4	17	4	5	3	4
...Falls	0	2	3	3	2	3	0
...Accidental poisoning	2	3	6	2	1	1	1
...Other unintentional injuries	5	2	9	2	1	1	3
Suicide	3	7	11	3	2	5	3
Homicide	0	1	0	0	2	1	0
All other external causes	1	0	6	0	1	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	231	186	495	475	211	750	419
Enterocolitis due to Clostridium difficile	0	0	1	0	0	1	2
Septicemia	2	1	6	2	3	6	5
HIV / AIDS	1	0	1	0	0	0	0
Malignant neoplasms	48	33	113	92	47	180	78
...Colon, rectum, and anus	5	2	13	11	9	13	6
...Pancreas	2	4	14	8	3	11	7
...Trachea, bronchus, and lung	13	10	30	19	8	51	16
...Breast	1	2	8	5	3	19	5
...Cervix uteri, corpus uteri, and ovary	1	0	3	3	0	8	2
...Prostate	8	2	2	6	4	1	6
...Urinary tract	5	2	8	5	2	7	4
...Non-Hodgkin's lymphoma	1	3	2	2	1	5	3
...Leukemia	0	0	3	5	2	6	4
...Other malignant neoplasms	12	8	30	28	15	59	25
Diabetes mellitus	2	3	6	27	9	12	9
Alzheimer's disease	5	15	16	30	9	25	21
Parkinson's disease	0	1	7	3	1	10	4
Diseases of heart	80	49	112	114	34	150	104
Essential hypertension	1	0	17	5	8	22	2
Cerebrovascular diseases	10	10	23	26	14	33	25
Influenza and pneumonia	5	4	10	6	4	16	8
Chronic lower respiratory disease	20	13	34	32	15	43	33
Pneumonitis due to solids and liquids	0	2	1	0	1	8	3
Chronic liver disease and cirrhosis	1	3	5	1	6	8	7
Nephritis and nephrosis	9	6	10	14	8	18	10
Conditions orig. in perinatal period	1	0	1	0	0	3	0
Congenital anomalies	0	0	1	2	1	3	1
Symptoms and ill-defined conditions	3	1	5	10	2	3	5
All other diseases	32	32	78	65	30	143	76
Unintentional injuries	6	7	38	34	15	39	22
...Motor vehicle crashes	3	3	11	9	5	12	5
...Falls	0	1	17	3	2	12	1
...Accidental poisoning	1	1	2	15	3	11	10
...Other unintentional injuries	2	2	8	7	5	4	6
Suicide	3	3	6	11	3	21	3
Homicide	2	0	1	0	1	2	1
All other external causes	0	3	3	1	0	4	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	330	74	90	294	287	78	200
Enterocolitis due to Clostridium difficile	0	0	0	0	0	0	0
Septicemia	6	0	0	3	4	1	5
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	55	15	20	59	60	15	51
...Colon, rectum, and anus	0	1	1	4	5	4	5
...Pancreas	2	2	1	4	6	0	4
...Trachea, bronchus, and lung	17	1	3	13	15	6	22
...Breast	4	0	1	10	5	2	1
...Cervix uteri, corpus uteri, and ovary	1	0	4	3	3	0	1
...Prostate	2	1	0	1	3	0	2
...Urinary tract	4	1	2	4	3	1	0
...Non-Hodgkin's lymphoma	2	0	0	2	1	0	3
...Leukemia	2	0	0	2	1	0	2
...Other malignant neoplasms	21	9	8	16	18	2	11
Diabetes mellitus	18	4	2	6	6	5	4
Alzheimer's disease	11	4	3	12	7	2	2
Parkinson's disease	3	2	0	1	2	1	0
Diseases of heart	70	15	20	72	67	18	57
Essential hypertension	18	2	4	8	3	0	0
Cerebrovascular diseases	8	4	6	11	17	6	5
Influenza and pneumonia	4	1	1	13	12	1	6
Chronic lower respiratory disease	36	6	7	20	31	5	12
Pneumonitis due to solids and liquids	1	0	2	3	3	1	1
Chronic liver disease and cirrhosis	3	0	1	2	4	0	3
Nephritis and nephrosis	3	1	5	6	5	0	6
Conditions orig. in perinatal period	0	0	0	5	2	0	1
Congenital anomalies	2	1	0	2	0	0	0
Symptoms and ill-defined conditions	11	2	1	3	2	0	3
All other diseases	40	10	12	45	40	10	26
Unintentional injuries	27	6	3	13	18	9	10
...Motor vehicle crashes	9	2	1	5	5	5	3
...Falls	3	2	1	1	3	0	1
...Accidental poisoning	10	0	1	1	4	2	2
...Other unintentional injuries	5	2	0	6	6	2	4
Suicide	12	1	3	7	4	1	4
Homicide	0	0	0	2	0	3	3
All other external causes	2	0	0	1	0	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	St. Charles	St. Clair	St. Francois	Ste. Genevieve	St. Louis City	St. Louis County	Saline
All causes	2,998	143	797	196	3,130	10,263	271
Enterocolitis due to Clostridium difficile	1	0	5	2	2	17	0
Septicemia	44	2	5	1	52	142	4
HIV / AIDS	1	0	1	0	15	13	0
Malignant neoplasms	693	29	173	43	590	2,105	48
...Colon, rectum, and anus	55	3	12	1	59	189	3
...Pancreas	47	4	8	6	36	159	4
...Trachea, bronchus, and lung	200	7	58	13	164	520	13
...Breast	41	1	14	3	44	169	4
...Cervix uteri, corpus uteri, and ovary	42	1	4	1	27	114	6
...Prostate	27	2	7	1	25	92	1
...Urinary tract	41	1	8	2	21	94	3
...Non-Hodgkin's lymphoma	28	2	5	4	21	80	3
...Leukemia	27	0	9	2	15	87	1
...Other malignant neoplasms	185	8	48	10	178	601	10
Diabetes mellitus	58	4	32	3	81	217	10
Alzheimer's disease	128	6	37	4	103	576	7
Parkinson's disease	36	3	9	2	16	131	6
Diseases of heart	689	46	220	39	766	2,534	67
Essential hypertension	27	0	7	3	21	77	5
Cerebrovascular diseases	128	5	22	13	155	624	14
Influenza and pneumonia	75	4	9	1	40	212	4
Chronic lower respiratory disease	155	13	66	27	135	403	27
Pneumonitis due to solids and liquids	55	2	6	2	23	104	3
Chronic liver disease and cirrhosis	49	0	7	2	42	95	1
Nephritis and nephrosis	73	4	29	5	74	257	6
Conditions orig. in perinatal period	13	0	4	0	21	32	0
Congenital anomalies	11	0	1	0	7	38	1
Symptoms and ill-defined conditions	18	0	7	1	17	49	3
All other diseases	421	15	93	29	464	1,684	44
Unintentional injuries	248	7	39	18	300	646	15
...Motor vehicle crashes	37	4	9	6	47	102	6
...Falls	95	1	8	4	13	191	4
...Accidental poisoning	86	1	15	5	209	262	1
...Other unintentional injuries	30	1	7	3	31	91	4
Suicide	59	3	14	1	44	139	1
Homicide	9	0	7	0	154	150	1
All other external causes	7	0	4	0	8	18	4



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Schuyler	Scotland	Scott	Shannon	Shelby	Stoddard	Stone
All causes	51	49	420	100	98	402	409
Enterocolitis due to Clostridium difficile	0	0	0	1	0	0	2
Septicemia	1	1	11	1	3	7	4
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	10	9	94	26	13	88	95
...Colon, rectum, and anus	0	0	8	4	1	7	10
...Pancreas	0	1	9	2	1	2	6
...Trachea, bronchus, and lung	4	1	35	7	3	27	19
...Breast	0	2	4	3	2	6	13
...Cervix uteri, corpus uteri, and ovary	0	0	6	2	1	2	5
...Prostate	0	0	4	1	1	2	7
...Urinary tract	0	2	3	1	1	10	4
...Non-Hodgkin's lymphoma	1	1	1	3	0	2	6
...Leukemia	1	0	4	1	1	4	3
...Other malignant neoplasms	4	2	20	2	2	26	22
Diabetes mellitus	1	1	8	2	2	8	8
Alzheimer's disease	3	4	16	3	1	14	14
Parkinson's disease	0	0	5	0	3	1	5
Diseases of heart	13	15	82	22	27	100	135
Essential hypertension	0	1	1	0	0	0	2
Cerebrovascular diseases	2	1	20	4	6	23	22
Influenza and pneumonia	1	0	9	4	3	12	5
Chronic lower respiratory disease	1	3	45	9	5	34	33
Pneumonitis due to solids and liquids	0	0	3	0	2	3	2
Chronic liver disease and cirrhosis	1	0	4	2	0	8	4
Nephritis and nephrosis	2	0	22	2	2	12	6
Conditions orig. in perinatal period	0	0	0	2	2	0	0
Congenital anomalies	0	0	1	0	1	1	2
Symptoms and ill-defined conditions	0	1	5	2	2	1	4
All other diseases	13	9	63	13	19	64	38
Unintentional injuries	3	4	22	6	4	17	19
...Motor vehicle crashes	2	2	8	4	2	2	8
...Falls	0	1	3	0	0	2	1
...Accidental poisoning	0	0	6	0	1	3	3
...Other unintentional injuries	1	1	5	2	1	10	7
Suicide	0	0	8	1	3	7	7
Homicide	0	0	1	0	0	0	0
All other external causes	0	0	0	0	0	1	2

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	79	650	309	258	322	313	199
Enterocolitis due to Clostridium difficile	0	1	1	2	1	1	0
Septicemia	0	7	4	2	3	3	6
HIV / AIDS	0	1	0	0	0	0	0
Malignant neoplasms	10	120	67	54	75	77	38
...Colon, rectum, and anus	1	9	4	7	4	6	3
...Pancreas	3	4	3	2	11	6	4
...Trachea, bronchus, and lung	1	36	25	20	24	23	11
...Breast	0	8	3	1	4	5	6
...Cervix uteri, corpus uteri, and ovary	1	5	2	1	7	3	0
...Prostate	1	6	2	1	2	3	2
...Urinary tract	0	8	2	4	3	6	1
...Non-Hodgkin's lymphoma	0	3	1	2	1	1	2
...Leukemia	1	1	2	1	0	8	0
...Other malignant neoplasms	2	40	23	15	19	16	9
Diabetes mellitus	2	12	7	4	10	8	13
Alzheimer's disease	2	13	1	6	11	8	6
Parkinson's disease	2	4	2	5	2	1	1
Diseases of heart	26	236	71	71	84	100	37
Essential hypertension	3	4	12	0	4	1	4
Cerebrovascular diseases	3	34	16	10	16	11	7
Influenza and pneumonia	4	16	10	8	5	6	9
Chronic lower respiratory disease	8	39	21	19	20	18	21
Pneumonitis due to solids and liquids	0	5	1	0	5	3	0
Chronic liver disease and cirrhosis	0	7	5	2	9	3	1
Nephritis and nephrosis	3	9	11	7	3	7	6
Conditions orig. in perinatal period	0	4	0	1	1	1	1
Congenital anomalies	0	3	3	0	2	1	0
Symptoms and ill-defined conditions	1	0	0	0	1	1	2
All other diseases	12	74	55	37	40	30	29
Unintentional injuries	3	43	17	20	18	27	13
...Motor vehicle crashes	1	14	3	5	2	9	6
...Falls	0	4	6	3	2	2	1
...Accidental poisoning	1	16	2	4	10	8	2
...Other unintentional injuries	1	9	6	8	4	8	4
Suicide	0	12	3	9	11	5	3
Homicide	0	5	1	0	1	0	1
All other external causes	0	1	1	1	0	1	1



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2017**

	Webster	Worth	Wright	Unknown
All causes	355	35	292	1
Enterocolitis due to Clostridium difficile	1	0	1	0
Septicemia	2	1	6	0
HIV / AIDS	1	0	0	0
Malignant neoplasms	79	5	55	0
...Colon, rectum, and anus	6	0	3	0
...Pancreas	5	0	4	0
...Trachea, bronchus, and lung	28	2	13	0
...Breast	7	0	0	0
...Cervix uteri, corpus uteri, and ovary	4	0	3	0
...Prostate	2	0	1	0
...Urinary tract	4	0	3	0
...Non-Hodgkin's lymphoma	5	0	4	0
...Leukemia	2	0	2	0
...Other malignant neoplasms	16	3	22	0
Diabetes mellitus	5	2	15	0
Alzheimer's disease	10	2	17	0
Parkinson's disease	0	0	2	0
Diseases of heart	89	7	89	0
Essential hypertension	5	0	3	0
Cerebrovascular diseases	20	2	13	0
Influenza and pneumonia	6	0	3	0
Chronic lower respiratory disease	23	2	21	0
Pneumonitis due to solids and liquids	5	0	1	0
Chronic liver disease and cirrhosis	1	0	4	0
Nephritis and nephrosis	9	1	7	0
Conditions orig. in perinatal period	1	0	1	0
Congenital anomalies	2	0	0	0
Symptoms and ill-defined conditions	4	2	1	0
All other diseases	49	6	35	0
Unintentional injuries	30	4	11	1
...Motor vehicle crashes	7	2	5	0
...Falls	5	0	2	0
...Accidental poisoning	11	1	2	1
...Other unintentional injuries	7	1	2	0
Suicide	7	1	7	0
Homicide	4	0	0	0
All other external causes	2	0	0	0

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2017**

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone
All causes	235	427	445	572	678	586	285
Enterocolitis due to Clostridium difficile	1	1	2	0	1	1	0
Septicemia	2	5	3	6	8	8	2
HIV / AIDS	0	0	0	0	1	0	0
Malignant neoplasms	58	85	76	111	119	110	65
...Colon, rectum, and anus	5	6	6	6	12	10	7
...Pancreas	3	8	3	4	13	5	2
...Trachea, bronchus, and lung	12	24	19	31	21	29	19
...Breast	2	3	10	10	8	10	6
...Cervix uteri, corpus uteri, and ovary	4	1	2	6	3	6	4
...Prostate	2	5	9	2	3	5	2
...Urinary tract	3	5	4	5	14	9	4
...Non-Hodgkin's lymphoma	0	6	3	8	7	3	2
...Leukemia	5	4	5	3	6	5	1
...Other malignant neoplasms	22	23	15	36	32	28	18
Diabetes mellitus	4	12	6	9	28	20	10
Alzheimer's disease	13	13	24	53	36	22	12
Parkinson's disease	6	7	7	12	9	5	5
Diseases of heart	47	83	118	140	156	167	61
Essential hypertension	2	2	2	1	9	7	4
Cerebrovascular diseases	12	25	32	32	45	39	14
Influenza and pneumonia	7	7	15	16	11	11	4
Chronic lower respiratory disease	9	22	24	24	29	28	21
Pneumonitis due to solids and liquids	1	10	4	2	9	6	4
Chronic liver disease and cirrhosis	5	3	2	1	8	7	2
Nephritis and nephrosis	7	10	16	17	11	14	7
Conditions orig. in perinatal period	0	2	0	2	2	2	0
Congenital anomalies	0	2	0	2	7	1	1
Symptoms and ill-defined conditions	1	3	4	5	3	3	2
All other diseases	34	86	81	112	142	83	47
Unintentional injuries	17	29	15	25	25	32	15
...Motor vehicle crashes	1	10	6	1	5	5	3
...Falls	8	4	1	16	2	5	7
...Accidental poisoning	5	12	3	4	12	14	3
...Other unintentional injuries	3	3	5	4	6	8	2
Suicide	9	17	4	1	12	7	9
Homicide	0	2	6	0	6	12	0
All other external causes	0	1	4	1	1	1	0



**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2017**

	Hazelwood	Independence	Jefferson City	Joplin	Joplin - Jasper County	Joplin - Newton County	Kansas City
All causes	204	1,491	418	603	520	83	3,935
Enterocolitis due to Clostridium difficile	1	6	0	2	1	1	11
Septicemia	5	23	7	14	11	3	58
HIV / AIDS	0	2	2	0	0	0	11
Malignant neoplasms	43	312	82	114	102	12	835
...Colon, rectum, and anus	6	28	7	11	11	0	70
...Pancreas	2	17	5	8	7	1	56
...Trachea, bronchus, and lung	9	85	19	32	28	4	224
...Breast	4	22	7	7	6	1	67
...Cervix uteri, corpus uteri, and ovary	4	8	4	4	4	0	30
...Prostate	2	10	1	5	4	1	25
...Urinary tract	1	22	5	6	5	1	46
...Non-Hodgkin's lymphoma	2	13	2	0	0	0	21
...Leukemia	3	18	2	5	4	1	34
...Other malignant neoplasms	10	89	30	36	33	3	262
Diabetes mellitus	9	26	16	15	13	2	101
Alzheimer's disease	3	51	12	22	19	3	87
Parkinson's disease	0	14	2	7	3	4	37
Diseases of heart	50	328	80	169	148	21	787
Essential hypertension	1	4	30	4	4	0	64
Cerebrovascular diseases	11	93	21	26	23	3	192
Influenza and pneumonia	3	23	3	14	13	1	74
Chronic lower respiratory disease	11	98	32	44	39	5	222
Pneumonitis due to solids and liquids	2	23	4	1	1	0	27
Chronic liver disease and cirrhosis	2	13	8	4	3	1	41
Nephritis and nephrosis	7	39	14	19	17	2	121
Conditions orig. in perinatal period	1	3	1	0	0	0	25
Congenital anomalies	0	3	4	0	0	0	14
Symptoms and ill-defined conditions	2	7	3	2	1	1	33
All other diseases	21	301	61	91	77	14	696
Unintentional injuries	22	71	22	27	22	5	264
...Motor vehicle crashes	4	21	4	8	6	2	81
...Falls	0	16	4	5	5	0	55
...Accidental poisoning	16	21	5	6	6	0	80
...Other unintentional injuries	2	13	9	8	5	3	48
Suicide	4	29	7	21	18	3	90
Homicide	4	21	6	2	2	0	132
All other external causes	2	1	1	5	3	2	13

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2017**

	Kansas City - Cass County	Kansas City - Clay County	Kansas City - Jackson County	Kansas City - Platte County	Kirkwood	Lee's Summit	Liberty
All causes	0	787	2,760	388	302	672	230
Enterocolitis due to Clostridium difficile	0	0	10	1	0	3	0
Septicemia	0	6	50	2	1	13	3
HIV / AIDS	0	2	9	0	0	0	0
Malignant neoplasms	0	196	553	86	49	146	49
...Colon, rectum, and anus	0	14	50	6	3	14	2
...Pancreas	0	11	42	3	3	19	4
...Trachea, bronchus, and lung	0	51	151	22	12	38	12
...Breast	0	15	40	12	2	7	4
...Cervix uteri, corpus uteri, and ovary	0	11	17	2	5	8	0
...Prostate	0	6	18	1	3	6	1
...Urinary tract	0	14	30	2	3	2	2
...Non-Hodgkin's lymphoma	0	7	11	3	1	5	0
...Leukemia	0	12	20	2	2	7	6
...Other malignant neoplasms	0	55	174	33	15	40	18
Diabetes mellitus	0	19	75	7	5	6	5
Alzheimer's disease	0	19	54	14	18	26	4
Parkinson's disease	0	13	19	5	6	13	4
Diseases of heart	0	143	570	74	90	166	44
Essential hypertension	0	21	31	12	5	3	8
Cerebrovascular diseases	0	40	131	21	30	33	7
Influenza and pneumonia	0	18	46	10	4	14	7
Chronic lower respiratory disease	0	51	150	21	5	34	15
Pneumonitis due to solids and liquids	0	9	14	4	4	12	4
Chronic liver disease and cirrhosis	0	7	29	5	3	3	3
Nephritis and nephrosis	0	30	83	8	7	24	5
Conditions orig. in perinatal period	0	5	18	2	2	1	3
Congenital anomalies	0	3	11	0	0	2	0
Symptoms and ill-defined conditions	0	4	28	1	2	7	2
All other diseases	0	126	485	85	47	116	54
Unintentional injuries	0	49	195	20	20	32	5
...Motor vehicle crashes	0	15	59	7	2	8	0
...Falls	0	15	32	8	8	7	3
...Accidental poisoning	0	14	61	5	5	11	2
...Other unintentional injuries	0	5	43	0	5	6	0
Suicide	0	21	62	7	4	14	8
Homicide	0	3	127	2	0	3	0
All other external causes	0	2	10	1	0	1	0



**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2017**

	Maryland Heights	O'Fallon	Raytown	Springfield	St. Charles	St. Joseph	St. Louis City
All causes	242	568	389	1,943	705	826	3,130
Enterocolitis due to Clostridium difficile	0	0	1	13	1	3	2
Septicemia	2	12	7	26	13	14	52
HIV / AIDS	1	0	1	7	1	0	15
Malignant neoplasms	42	137	79	335	147	164	590
...Colon, rectum, and anus	4	13	4	25	6	5	59
...Pancreas	3	8	14	22	11	7	36
...Trachea, bronchus, and lung	9	41	18	102	39	57	164
...Breast	5	6	8	16	14	9	44
...Cervix uteri, corpus uteri, and ovary	4	5	6	17	8	9	27
...Prostate	0	4	4	18	8	6	25
...Urinary tract	0	6	4	18	8	13	21
...Non-Hodgkin's lymphoma	6	9	0	10	7	7	21
...Leukemia	0	4	2	5	10	6	15
...Other malignant neoplasms	11	41	19	102	36	45	178
Diabetes mellitus	5	7	9	39	16	52	81
Alzheimer's disease	25	21	16	130	34	31	103
Parkinson's disease	6	8	1	29	9	10	16
Diseases of heart	58	126	83	483	176	188	766
Essential hypertension	1	9	5	20	8	13	21
Cerebrovascular diseases	14	24	20	86	29	45	155
Influenza and pneumonia	5	13	9	40	20	29	40
Chronic lower respiratory disease	13	25	25	129	40	54	135
Pneumonitis due to solids and liquids	4	7	3	19	14	5	23
Chronic liver disease and cirrhosis	2	5	3	40	18	12	42
Nephritis and nephrosis	4	15	14	42	17	20	74
Conditions orig. in perinatal period	0	3	2	5	1	0	21
Congenital anomalies	1	3	2	5	0	3	7
Symptoms and ill-defined conditions	0	7	3	9	1	4	17
All other diseases	40	93	64	312	94	117	464
Unintentional injuries	14	42	29	101	52	39	300
...Motor vehicle crashes	2	2	7	20	5	10	47
...Falls	3	11	9	12	25	8	13
...Accidental poisoning	7	23	6	52	16	9	209
...Other unintentional injuries	2	6	7	17	6	12	31
Suicide	3	9	7	49	10	13	44
Homicide	2	1	6	16	1	9	154
All other external causes	0	1	0	8	3	1	8

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2017**

	St. Peters	University City	Wentzville	Wildwood
All causes	497	359	213	166
Enterocolitis due to Clostridium difficile	0	0	0	0
Septicemia	6	8	2	3
HIV / AIDS	0	0	0	0
Malignant neoplasms	103	84	40	43
...Colon, rectum, and anus	10	10	5	5
...Pancreas	4	6	2	6
...Trachea, bronchus, and lung	31	18	12	3
...Breast	2	8	1	4
...Cervix uteri, corpus uteri, and ovary	6	5	3	0
...Prostate	1	6	4	1
...Urinary tract	8	3	4	3
...Non-Hodgkin's lymphoma	1	3	1	3
...Leukemia	5	2	0	4
...Other malignant neoplasms	35	23	8	14
Diabetes mellitus	12	11	6	2
Alzheimer's disease	16	25	8	7
Parkinson's disease	7	5	3	0
Diseases of heart	132	78	52	36
Essential hypertension	5	1	1	1
Cerebrovascular diseases	19	18	12	9
Influenza and pneumonia	12	6	4	6
Chronic lower respiratory disease	23	12	11	7
Pneumonitis due to solids and liquids	8	3	10	2
Chronic liver disease and cirrhosis	13	1	4	2
Nephritis and nephrosis	11	10	8	1
Conditions orig. in perinatal period	4	1	3	0
Congenital anomalies	4	2	0	0
Symptoms and ill-defined conditions	5	1	1	1
All other diseases	60	56	25	31
Unintentional injuries	46	28	15	8
...Motor vehicle crashes	7	4	3	2
...Falls	18	4	8	3
...Accidental poisoning	17	15	3	2
...Other unintentional injuries	4	5	1	1
Suicide	10	4	7	6
Homicide	0	5	1	1
All other external causes	1	0	0	0



**Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2017**

	<u>Total</u>	<u>All Ages</u>		<u>0-4 Years</u>		<u>05-14 Years</u>		<u>15-24 Years</u>		<u>25-44 Years</u>		<u>45-64 Years</u>		<u>65-74 Years</u>		<u>Over 74</u>	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
<b>Recorded Total</b>	3,937	2,491	1,446	66	45	27	16	251	110	801	336	651	287	215	126	480	526
<b>Work Total</b>	81	75	6	0	0	0	0	7	0	25	2	28	2	8	1	7	1
Heavy transport vehicle	3	3	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0
Other motor vehicle	23	23	0	0	0	0	0	1	0	11	0	8	0	3	0	0	0
Other transport	8	7	1	0	0	0	0	1	0	4	0	1	1	0	0	1	0
Falls	10	9	1	0	0	0	0	1	0	1	0	3	0	2	0	2	1
Farm machinery	3	3	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0
Other machinery	4	4	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
Struck by/against object	15	14	1	0	0	0	0	1	0	3	1	8	0	1	0	1	0
Electric current	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Other/unspecified accident	14	11	3	0	0	0	0	1	0	4	1	5	1	0	1	1	0
<b>Home Total</b>	1,733	1,072	661	49	34	4	4	87	33	385	185	280	159	87	50	180	196
Falls	481	254	227	0	0	0	0	4	0	9	2	40	22	49	27	152	176
Machinery	6	6	0	1	0	0	0	0	0	0	0	1	0	3	0	1	0
Firearms	21	18	3	1	0	2	1	7	0	6	2	2	0	0	0	0	0
Struck by/against object	22	16	6	0	1	0	0	1	0	6	2	8	2	1	1	0	0
Drowning	27	18	9	6	2	0	1	0	1	2	2	2	1	4	1	4	1
Choke/suffocate	84	46	38	37	29	0	1	1	0	3	2	3	2	1	1	1	3
Excess natural heat/cold	14	5	9	0	0	0	0	0	0	0	2	1	1	1	1	3	5
Fire/flame/smoke	75	46	29	2	0	1	0	0	1	10	5	11	11	13	7	9	5
Poisoning (drug/alcohol)	942	624	318	0	0	0	1	69	31	341	161	200	114	14	11	0	0
Poisoning (gas/other)	17	11	6	0	0	0	0	1	0	4	4	4	2	0	0	2	0
Other/unspecified accident	44	28	16	2	2	1	0	4	0	4	3	8	4	1	1	8	6
<b>Public Transport Total</b>	1,022	703	319	9	8	18	11	126	65	222	90	194	66	62	38	72	41
Car or truck	741	473	268	7	6	12	7	102	60	146	70	111	56	39	30	56	39
Pedestrian	100	67	33	2	2	1	2	5	5	24	12	23	6	6	4	6	2
Pedal cyclist	8	8	0	0	0	1	0	1	0	0	0	4	0	2	0	0	0
Motorcyclist	120	111	9	0	0	0	0	11	0	43	4	42	2	11	3	4	0
Railroad (not motor vehicle)	3	3	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Non-road vehicle (including ATV)	21	18	3	0	0	4	1	1	0	3	1	6	1	0	0	4	0
Water transport	5	4	1	0	0	0	1	0	0	1	0	1	0	1	0	1	0
Air transport	7	5	2	0	0	0	0	0	0	1	1	1	1	3	0	0	0
Other/unspecified transport	17	14	3	0	0	0	0	5	0	3	2	5	0	0	1	1	0
<b>Public Non-Transport Total</b>	1,069	618	451	8	3	5	1	30	11	167	59	138	56	55	35	215	286
Falls	351	156	195	0	0	0	0	2	1	7	2	15	8	17	12	115	172
Machinery	11	10	1	2	0	1	0	0	0	0	0	2	0	3	0	2	1
Firearms	12	11	1	0	0	0	0	3	0	6	0	1	0	1	1	0	0
Struck by/against object	7	7	0	0	0	0	0	1	0	0	0	3	0	1	0	2	0
Drowning	59	47	12	5	2	4	1	11	0	11	3	7	5	3	0	6	1
Choke/suffocate	89	49	40	0	1	0	0	0	0	5	2	8	4	6	12	30	21
Excess natural heat/cold	10	9	1	1	0	0	0	0	0	3	0	3	0	2	0	0	1
Fire/flame/smoke	8	6	2	0	0	0	0	0	0	1	0	3	0	1	0	1	2
Poisoning (drug/alcohol)	328	236	92	0	0	0	0	12	9	130	49	85	30	5	1	4	3
Poisoning (gas/other)	6	5	1	0	0	0	0	0	0	1	0	1	0	3	0	0	1
Other/unspecified accident	188	82	106	0	0	0	0	1	1	3	3	10	9	13	9	55	84
<b>Late Effects of Accidents</b>	32	23	9	0	0	0	0	1	1	2	0	11	4	3	2	6	2



**Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2017**

	Total	Tobacco Use Contributed to Death				Percentage			
		Yes	Probably	No	Unknown	Yes	Probably	No	Unknown
<b><u>State Total</u></b>	61,866	6,786	3,585	29,438	22,057	11.0	5.8	47.6	35.7
<b><u>Gender</u></b>									
Male	31,720	3,942	2,173	14,060	11,545	12.4	6.9	44.3	36.4
Female	30,146	2,844	1,412	15,378	10,512	9.4	4.7	51.0	34.9
<b><u>Decedent's Race</u></b>									
White Non-Hisp	53,855	6,124	3,190	25,326	19,215	11.4	5.9	47.0	35.7
Black Non-Hisp	6,717	562	330	3,442	2,383	8.4	4.9	51.2	35.5
Other Non-Hisp*	688	62	36	352	238	9.0	5.2	51.2	34.6
Hispanic, Any Race	578	34	25	305	214	5.9	4.3	52.8	37.0
<b><u>Decedent's Age</u></b>									
Under 35	2,819	35	15	2,338	431	1.2	0.5	82.9	15.3
35-44	1,774	87	62	1,125	500	4.9	3.5	63.4	28.2
45-54	3,531	423	209	1,705	1,194	12.0	5.9	48.3	33.8
55-64	8,432	1,438	673	3,139	3,182	17.1	8.0	37.2	37.7
65-74	12,006	2,142	999	4,382	4,483	17.8	8.3	36.5	37.3
75-84	14,990	1,819	981	6,528	5,662	12.1	6.5	43.5	37.8
85+	18,314	842	646	10,221	6,605	4.6	3.5	55.8	36.1
<b><u>Underlying Cause of Death</u></b>									
Heart Disease	14,818	1,365	794	6,292	6,367	9.2	5.4	42.5	43.0
Cancer	12,969	2,292	1,169	5,161	4,347	17.7	9.0	39.8	33.5
...Lung Cancer	3,690	1,611	614	305	1,160	43.7	16.6	8.3	31.4
...Other Cancer	9,279	681	555	4,856	3,187	7.3	6.0	52.3	34.3
Chronic lower respiratory disease	3,941	1,728	547	452	1,214	43.8	13.9	11.5	30.8
Stroke	3,159	167	149	1,527	1,316	5.3	4.7	48.3	41.7
Unintentional injuries	3,773	86	37	2,898	752	2.3	1.0	76.8	19.9
Alzheimer's disease	2,545	34	32	1,772	707	1.3	1.3	69.6	27.8
Diabetes mellitus	1,606	187	118	718	583	11.6	7.3	44.7	36.3
Influenza and pneumonia	1,280	67	69	624	520	5.2	5.4	48.8	40.6
Nephritis and nephrosis	1,515	62	56	748	649	4.1	3.7	49.4	42.8
Other	16,260	798	614	9,246	5,602	4.9	3.8	56.9	34.5

\* Includes deaths of persons of multiple races, but not persons of unknown race.



**Table 29. Resident Deaths by Selected Characteristics by Sex: Missouri, 2017**

	Total	Female	Male
<b><u>State Total</u></b>	61,866	30,146	31,720
<b><u>Certifier</u></b>			
Certifying Physician	49,413	25,838	23,575
Medical Examiner/Coroner	12,446	4,303	8,143
Other	7	5	2
<b><u>Death Place</u></b>			
Inpatient	16,464	7,833	8,631
Emergency Room/Outpatient	3,782	1,453	2,329
Dead on Arrival	71	25	46
Decedent's Home	20,030	8,868	11,162
Hospice Facility	2,265	1,173	1,092
Nursing Home	16,430	9,866	6,564
Other	2,824	928	1,896
<b><u>Month of Death</u></b>			
January	6,062	3,029	3,033
February	5,280	2,649	2,631
March	5,603	2,815	2,788
April	4,821	2,325	2,496
May	4,949	2,363	2,586
June	4,786	2,260	2,526
July	4,928	2,375	2,553
August	4,918	2,354	2,564
September	4,822	2,346	2,476
October	5,032	2,428	2,604
November	5,014	2,381	2,633
December	5,651	2,821	2,830

	Total	Female	Male
<b><u>Disposition</u></b>			
Burial	30,051	15,790	14,261
Cremation	28,810	12,826	15,984
Donation	1,406	711	695
Entombment	471	257	214
Removal from State	1,062	532	530
Other	66	30	36
<b><u>Marital Status</u></b>	22,691	7,578	15,113
Married	22,691	7,578	15,113
Divorced	10,583	4,850	5,733
Widowed	20,682	14,910	5,772
Never Married	7,570	2,708	4,862
Unknown	340	100	240
<b><u>Education of Deceased</u></b>	6,618	3,462	3,156
8th Grade or Less	6,618	3,462	3,156
9th to 11th Grade	7,179	3,400	3,779
High School Graduates	27,607	13,905	13,702
Some College	11,366	5,623	5,743
Bachelor's Degree	5,312	2,319	2,993
Post-Graduate Degree	3,013	1,139	1,874
Unknown	771	298	473
<b><u>Autopsy</u></b>	3,394	1,077	2,317
Yes	3,394	1,077	2,317
Yes, but not used	252	106	146

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2017

**Total Population**

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	$L_x$	${}_nD_x$	${}_nL_x$	$T_x$	$E_x$
0-1	0.0062	100,000	623	99,439	7,714,167	77.1
1-5	0.0012	99,377	123	397,262	7,614,728	76.6
5-10	0.0007	99,254	70	496,096	7,217,465	72.7
10-15	0.0012	99,184	119	495,622	6,721,369	67.8
15-20	0.0036	99,065	352	494,444	6,225,747	62.8
20-25	0.0063	98,713	622	492,008	5,731,304	58.1
25-30	0.0077	98,091	752	488,572	5,239,295	53.4
30-35	0.0084	97,338	813	484,659	4,750,723	48.8
35-40	0.0112	96,525	1,083	479,918	4,266,064	44.2
40-45	0.0128	95,442	1,226	474,146	3,786,146	39.7
45-50	0.0177	94,217	1,672	466,902	3,312,000	35.2
50-55	0.0272	92,544	2,515	456,436	2,845,098	30.7
55-60	0.0420	90,030	3,785	440,687	2,388,662	26.5
60-65	0.0584	86,245	5,040	418,623	1,947,975	22.6
65-70	0.0818	81,204	6,640	389,422	1,529,352	18.8
70-75	0.1199	74,564	8,942	350,467	1,139,931	15.3
75-80	0.1812	65,623	11,892	298,384	789,463	12.0
80-85	0.2817	53,731	15,136	230,815	491,079	9.1
85+	1.0000	38,595	38,595	260,265	260,265	6.7



Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2017

**Male Population**

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	$nQ_x$	$L_x$	$nD_x$	$nL_x$	$T_x$	$E_x$
0-1	0.0066	100,000	657	99,409	7,441,329	74.4
1-5	0.0014	99,343	139	397,095	7,341,920	73.9
5-10	0.0009	99,204	86	495,806	6,944,825	70.0
10-15	0.0016	99,118	154	495,205	6,449,019	65.1
15-20	0.0050	98,964	496	493,580	5,953,814	60.2
20-25	0.0088	98,468	871	490,163	5,460,234	55.5
25-30	0.0109	97,597	1,059	485,338	4,970,071	50.9
30-35	0.0119	96,538	1,147	479,822	4,484,733	46.5
35-40	0.0154	95,391	1,469	473,282	4,004,911	42.0
40-45	0.0162	93,922	1,518	465,813	3,531,629	37.6
45-50	0.0215	92,403	1,986	457,051	3,065,817	33.2
50-55	0.0338	90,417	3,055	444,448	2,608,766	28.9
55-60	0.0523	87,362	4,571	425,384	2,164,318	24.8
60-65	0.0723	82,791	5,985	398,992	1,738,934	21.0
65-70	0.0987	76,806	7,578	365,082	1,339,942	17.4
70-75	0.1405	69,227	9,729	321,812	974,860	14.1
75-80	0.2143	59,498	12,747	265,620	653,048	11.0
80-85	0.3219	46,750	15,049	196,129	387,427	8.3
85+	1.0000	31,701	31,701	191,299	191,299	6.0

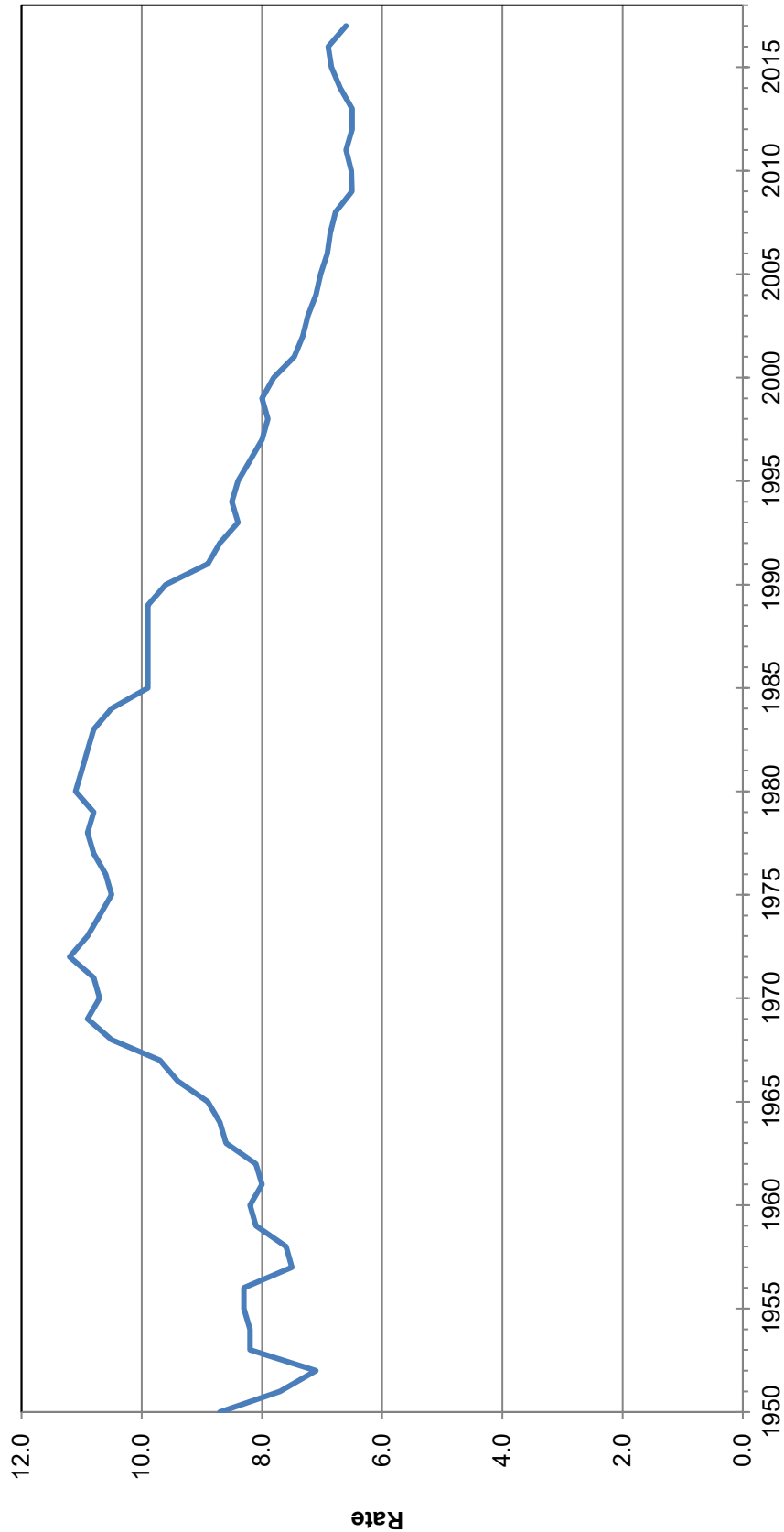
Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2017

**Female Population**

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	$L_x$	${}_nD_x$	$nL_x$	$T_x$	$E_x$
0-1	0.0059	100,000	588	99,471	7,989,219	79.9
1-5	0.0011	99,412	105	397,438	7,889,748	79.4
5-10	0.0005	99,307	53	496,401	7,492,310	75.4
10-15	0.0008	99,253	83	496,060	6,995,909	70.5
15-20	0.0020	99,170	199	495,354	6,499,849	65.5
20-25	0.0036	98,971	359	493,958	6,004,495	60.7
25-30	0.0044	98,612	437	491,968	5,510,537	55.9
30-35	0.0048	98,175	472	489,696	5,018,569	51.1
35-40	0.0070	97,703	687	486,799	4,528,873	46.4
40-45	0.0096	97,016	928	482,763	4,042,074	41.7
45-50	0.0141	96,089	1,352	477,064	3,559,311	37.0
50-55	0.0207	94,737	1,963	468,776	3,082,248	32.5
55-60	0.0322	92,774	2,985	456,407	2,613,471	28.2
60-65	0.0455	89,789	4,088	438,725	2,157,065	24.0
65-70	0.0665	85,701	5,702	414,251	1,718,339	20.1
70-75	0.1018	79,999	8,146	379,632	1,304,088	16.3
75-80	0.1537	71,853	11,046	331,650	924,456	12.9
80-85	0.2515	60,807	15,291	265,806	592,806	9.7
85+	1.0000	45,515	45,515	327,001	327,001	7.2



Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2017



Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1985	49,484	9.9
1955	34,162	8.3	1990	49,063	9.6
1960	35,368	8.2	1995	45,057	8.4
1965	39,882	8.9	2000	43,665	7.8
1970	50,224	10.7	2005	40,675	7.0
1975	50,147	10.5	2010	38,998	6.5
1980	54,625	11.1	2011	39,481	6.6
			2012	39,378	6.5
			2013	38,984	6.5
			2014	40,779	6.7
			2015	41,377	6.8
			2016	41,747	6.9
			2017	40,316	6.6

**Table 31. Reported Marriages by Month of Event: Missouri, 2017**

	Total	Gender			
		Male-Female	Female-Female	Male-Male	Not Stated
<b>Total</b>	40,316	38,981	833	450	52
<b>January</b>	1,613	1,487	73	48	5
<b>February</b>	1,805	1,718	52	32	3
<b>March</b>	2,653	2,543	70	40	0
<b>April</b>	3,250	3,148	60	39	3
<b>May</b>	4,249	4,137	65	36	11
<b>June</b>	4,526	4,413	73	33	7
<b>July</b>	3,867	3,737	85	38	7
<b>August</b>	2,941	2,848	58	32	3
<b>September</b>	5,021	4,899	75	42	5
<b>October</b>	5,275	5,099	111	61	4
<b>November</b>	2,518	2,444	49	24	1
<b>December</b>	2,598	2,508	62	25	3



**Table 32. Reported Male-Female Marriages by Age: Missouri, 2017**

Age of Male	Total	Age of Female														
		14 And Under	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Total	38,981	0	12	27	101	569	875	1,214	1,609	1,897	2,059	2,229	2,400	2,306	2,174	1,926
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
16	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
17	17	0	1	2	2	6	3	1	0	0	1	0	0	0	0	0
18	217	0	2	9	17	96	52	23	8	5	1	1	0	0	0	0
19	503	0	1	6	29	141	153	86	32	18	16	4	3	6	3	2
20	851	0	5	1	23	107	181	236	141	72	30	18	10	8	5	4
21	1,080	0	0	4	11	60	135	243	282	153	83	33	24	17	8	6
22	1,406	0	1	1	6	39	99	193	291	369	167	100	47	34	15	12
23	1,647	0	0	0	2	32	58	125	251	343	375	192	105	42	26	31
24	1,851	0	1	0	4	20	51	82	183	287	374	396	217	81	51	30
25	2,005	0	0	0	1	16	38	57	116	191	263	395	441	210	88	52
26	2,077	0	0	1	0	7	26	48	76	120	199	286	365	415	231	92
27	2,060	0	0	0	1	9	22	28	59	86	135	199	314	380	344	173
28	2,017	0	0	0	1	6	12	19	46	75	110	155	230	274	327	308
29	1,864	0	0	0	0	8	8	16	23	49	76	95	153	214	271	273
30	1,573	0	0	0	1	2	6	7	19	25	60	81	106	136	191	189
31	1,559	0	0	1	1	1	5	9	29	20	37	60	76	126	145	171
32	1,334	0	0	0	0	3	6	4	3	17	22	46	77	78	122	130
33	1,167	0	0	0	0	3	3	7	10	11	15	43	53	59	81	93
34	1,076	0	0	0	0	3	0	7	8	9	19	25	35	57	42	63
35-39	4,364	0	1	0	1	6	13	13	19	29	52	57	90	122	161	205
40-44	2,730	0	0	0	1	0	2	5	7	10	14	22	27	26	35	59
45-49	2,317	0	0	0	0	2	1	3	3	4	3	17	14	14	19	16
50-54	1,839	0	0	0	0	1	0	2	1	2	4	2	9	4	4	11
55-59	1,387	0	0	0	0	0	1	0	2	0	1	1	2	2	1	3
60-64	928	0	0	0	0	0	0	0	0	2	0	1	2	0	2	3
65-69	504	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0
70-74	297	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
75 +	307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table 32. Reported Male-Female Marriages by Age: Missouri, 2017**

Age of Male	Age of Female															
	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	Not Stated
Total	1,713	1,441	1,318	1,142	970	974	3,562	2,416	2,137	1,516	1,069	631	342	210	142	0
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
18	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
19	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
20	0	1	1	1	1	1	1	3	0	1	0	0	0	0	0	0
21	2	2	3	4	2	1	4	2	1	0	0	0	0	0	0	0
22	7	1	6	6	4	0	5	2	0	1	0	0	0	0	0	0
23	15	8	12	6	3	1	15	5	0	0	0	0	0	0	0	0
24	21	8	8	6	8	5	12	5	0	1	0	0	0	0	0	0
25	33	25	14	21	9	13	16	5	0	1	0	0	0	0	0	0
26	71	33	20	16	12	10	38	9	2	0	0	0	0	0	0	0
27	92	72	31	33	16	18	37	6	2	1	2	0	0	0	0	0
28	143	91	72	37	27	26	45	9	2	2	0	0	0	0	0	0
29	262	116	71	62	38	32	74	17	5	1	0	0	0	0	0	0
30	205	172	118	66	55	36	73	15	7	2	1	0	0	0	0	0
31	189	181	164	88	70	47	104	29	6	0	0	0	0	0	0	0
32	133	137	141	150	69	50	114	21	6	4	1	0	0	0	0	0
33	99	109	127	111	90	78	130	30	8	5	0	2	0	0	0	0
34	96	93	119	81	99	104	164	37	9	4	1	0	0	0	1	0
35-39	239	272	270	291	294	355	1,321	391	127	24	9	0	0	1	1	0
40-44	66	74	86	96	102	119	820	721	321	86	17	13	0	1	0	0
45-49	28	32	38	38	41	54	356	631	706	223	55	15	4	0	0	0
50-54	4	8	9	14	20	12	139	295	542	529	167	46	11	2	1	0
55-59	8	2	3	9	5	7	55	130	240	372	407	111	16	6	3	0
60-64	0	2	4	4	3	4	30	31	116	173	264	221	49	14	3	0
65-69	0	0	0	0	1	1	8	12	26	55	101	136	127	22	12	0
70-74	0	0	0	1	1	0	0	6	6	19	27	57	86	76	17	0
75 +	0	0	0	0	0	0	1	1	5	12	17	30	49	88	104	0
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table 33A. Reported Marriages by Age and Previous Marital Status: Missouri, 2017**

<u>Age</u>	<u>Male-Female</u>								<u>Same-Sex</u>							
	<u>Female</u>				<u>Male</u>				<u>Partner 1</u>				<u>Partner 2</u>			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	38,981	26,157	1,125	11,603	38,981	25,714	1,009	12,174	1,283	992	17	273	1,283	979	8	294
14 and Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	12	12	0	0	2	2	0	0	0	0	0	0	0	0	0	0
16	27	26	0	1	2	2	0	0	0	0	0	0	0	0	0	0
17	101	101	0	0	17	17	0	0	0	0	0	0	0	0	0	0
18	569	569	0	0	217	217	0	0	9	9	0	0	7	7	0	0
19	875	866	1	7	503	502	0	1	26	26	0	0	19	18	0	1
20	1,214	1,193	0	20	851	847	0	3	18	17	0	1	14	13	0	1
21	1,609	1,578	0	29	1,080	1,070	0	10	35	34	0	1	23	23	0	0
22	1,897	1,847	0	48	1,406	1,386	1	19	31	31	0	0	29	28	0	1
23	2,059	1,976	2	81	1,647	1,598	0	48	54	51	0	3	41	38	0	3
24	2,229	2,097	2	127	1,851	1,787	1	60	40	39	0	1	45	42	0	3
25	2,400	2,228	6	163	2,005	1,902	0	103	53	48	0	5	52	50	0	2
26	2,306	2,094	5	204	2,077	1,959	2	115	59	55	0	4	51	46	0	5
27	2,174	1,921	2	247	2,060	1,886	3	169	60	55	0	5	55	50	0	4
28	1,926	1,631	4	288	2,017	1,796	2	218	51	47	0	4	55	53	0	2
29	1,713	1,381	4	326	1,864	1,615	1	244	56	51	0	5	49	44	0	5
30	1,441	1,101	14	323	1,573	1,310	4	257	41	34	0	7	52	46	0	6
31	1,318	922	12	384	1,559	1,244	1	312	50	43	1	6	50	45	0	5
32	1,142	744	9	389	1,334	1,005	7	319	45	35	0	10	34	29	0	5
33	970	600	9	358	1,167	786	6	373	34	20	2	12	38	31	0	7
34	974	528	12	430	1,076	707	6	361	47	34	1	12	44	36	0	8
35-39	3,562	1,474	82	1,988	4,364	2,300	30	2,024	158	109	3	46	154	110	2	42
40-44	2,416	608	107	1,692	2,730	830	39	1,848	109	56	1	51	109	61	0	48
45-49	2,137	334	110	1,679	2,317	467	83	1,757	102	67	3	32	118	65	3	50
50-54	1,516	160	130	1,213	1,839	243	89	1,497	83	61	1	21	95	59	0	36
55-59	1,069	97	140	830	1,387	135	121	1,125	58	37	2	19	64	38	0	25
60-64	631	52	131	445	928	69	140	715	36	23	1	12	49	28	2	19
65-69	342	8	136	196	504	20	134	347	12	4	0	8	18	8	0	10
70-74	210	6	112	91	297	9	122	165	10	5	0	5	11	6	1	4
75 +	142	3	95	44	307	3	217	84	6	1	2	3	7	5	0	2
Median Age at Marriage	29.0	26.3	56.5	41.1	31.2	27.9	64.0	43.9	33.3	30.9	45.4	41.4	34.8	31.6	46.5	45.0

**Table 33B. Reported Same-Sex Marriages by Age and Previous Marital Status: Missouri, 2017**

<u>Age</u>	<u>Female-Female</u>								<u>Male-Male</u>							
	<u>Partner 1</u>				<u>Partner 2</u>				<u>Partner 1</u>				<u>Partner 2</u>			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	833	608	14	211	833	621	7	204	450	384	3	62	450	358	1	90
14 and Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	9	9	0	0	5	5	0	0	0	0	0	0	2	2	0	0
19	18	18	0	0	13	12	0	1	8	8	0	0	6	6	0	0
20	9	9	0	0	12	11	0	1	9	8	0	1	2	2	0	0
21	29	28	0	1	12	12	0	0	6	6	0	0	11	11	0	0
22	20	20	0	0	20	19	0	1	11	11	0	0	9	9	0	0
23	40	38	0	2	32	30	0	2	14	13	0	1	9	8	0	1
24	29	28	0	1	33	30	0	3	11	11	0	0	12	12	0	0
25	34	31	0	3	40	39	0	1	19	17	0	2	12	11	0	1
26	40	37	0	3	38	34	0	4	19	18	0	1	13	12	0	1
27	41	36	0	5	42	38	0	3	19	19	0	0	13	12	0	1
28	37	33	0	4	36	35	0	1	14	14	0	0	19	18	0	1
29	40	36	0	4	36	31	0	5	16	15	0	1	13	13	0	0
30	31	25	0	6	34	29	0	5	10	9	0	1	18	17	0	1
31	28	23	0	5	31	26	0	5	22	20	1	1	19	19	0	0
32	29	20	0	9	19	14	0	5	16	15	0	1	15	15	0	0
33	21	9	2	10	23	16	0	7	13	11	0	2	15	15	0	0
34	29	18	1	10	27	20	0	7	18	16	0	2	17	16	0	1
35-39	102	62	3	37	106	70	2	34	56	47	0	9	48	40	0	8
40-44	74	33	1	40	75	43	0	32	35	23	0	11	34	18	0	16
45-49	62	31	2	29	76	39	3	34	40	36	1	3	42	26	0	16
50-54	45	31	1	13	47	24	0	23	38	30	0	8	48	35	0	13
55-59	32	19	1	12	31	21	0	10	26	18	1	7	33	17	0	15
60-64	22	11	1	10	27	13	1	13	14	12	0	2	22	15	1	6
65-69	4	1	0	3	8	5	0	3	8	3	0	5	10	3	0	7
70-74	6	2	0	4	8	4	1	3	4	3	0	1	3	2	0	1
75 +	2	0	2	0	2	1	0	1	4	1	0	3	5	4	0	1
Median Age at Marriage	32.4	29.5	43.2	40.7	33.7	30.6	46.1	43.1	35.0	33.7	47.9	43.5	36.7	33.7	64.2	49.4



**Table 34A. Reported Male-Female Marriages by Race: Missouri, 2017**

<u>Race of Female Partner</u>	Total	<u>Race of Male Partner</u>			
		White	Black	Other	Unknown
Total	38,981	31,591	4,047	1,147	2,196
White	31,955	30,182	792	554	427
Black	3,476	328	3,047	40	61
Other	1,298	654	90	545	9
Unknown	2,252	427	118	8	1,699

**Table 34B. Reported Female-Female Marriages by Race: Missouri, 2017**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	833	606	126	34	67
White	630	567	24	20	19
Black	117	16	97	4	0
Other	23	11	2	9	1
Unknown	63	12	3	1	47

**Table 34C. Reported Male-Male Marriages by Race: Missouri, 2017**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	450	359	42	16	33
White	345	309	15	12	9
Black	43	17	26	0	0
Other	21	17	0	4	0
Unknown	41	16	1	0	24

**Table 35A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2017**

Counties	Population	Marriages	Rate
State Total	6,113,532	40,316	6.6
Adair	25,377	143	5.6
Andrew	17,555	94	5.4
Atchison	5,275	42	8.0
Audrain	25,641	168	6.6
Barry	35,668	124	3.5
Barton	11,850	76	6.4
Bates	16,334	99	6.1
Benton	19,074	89	4.7
Bollinger	12,306	48	3.9
Boone	178,271	1,175	6.6
Buchanan	89,065	520	5.8
Butler	42,666	316	7.4
Caldwell	9,100	42	4.6
Callaway	45,032	182	4.0
Camden	45,632	306	6.7
Cape Girardeau	78,161	583	7.5
Carroll	8,796	54	6.1
Carter	6,169	31	5.0
Cass	103,724	568	5.5
Cedar	14,073	82	5.8
Chariton	7,480	45	6.0
Christian	85,432	484	5.7
Clark	6,723	52	7.7
Clay	242,874	1,489	6.1
Clinton	20,554	109	5.3
Cole	76,708	581	7.6
Cooper	17,644	101	5.7
Crawford	24,102	167	6.9
Dade	7,588	10	1.3
Dallas	16,673	89	5.3
Daviess	8,361	78	9.3
DeKalb	12,588	55	4.4
Dent	15,480	129	8.3
Douglas	13,300	82	6.2
Dunklin	30,119	183	6.1
Franklin	103,330	757	7.3
Gasconade	14,726	110	7.5
Gentry	6,665	36	5.4

Counties	Population	Marriages	Rate
Greene	289,805	2,322	8.0
Grundy	9,949	71	7.1
Harrison	8,524	63	7.4
Henry	21,718	150	6.9
Hickory	9,475	46	4.9
Holt	4,413	25	5.7
Howard	10,139	60	5.9
Howell	40,103	345	8.6
Iron	10,226	48	4.7
Jackson	698,895	6,231	8.9
Jasper	120,217	930	7.7
Jefferson	223,810	1,162	5.2
Johnson	53,897	455	8.4
Knox	3,977	19	4.8
Laclede	35,443	280	7.9
Lafayette	32,641	232	7.1
Lawrence	38,434	304	7.9
Lewis	9,967	41	4.1
Lincoln	56,183	337	6.0
Linn	12,194	55	4.5
Livingston	15,173	102	6.7
Macon	15,251	99	6.5
Madison	12,243	55	4.5
Maries	8,867	60	6.8
Marion	28,634	224	7.8
McDonald	22,828	183	8.0
Mercer	3,678	33	9.0
Miller	25,228	138	5.5
Mississippi	13,586	123	9.1
Moniteau	16,063	74	4.6
Monroe	8,612	44	5.1
Montgomery	11,438	49	4.3
Morgan	20,145	158	7.8
New Madrid	17,582	91	5.2
Newton	58,290	362	6.2
Nodaway	22,472	132	5.9
Oregon	10,558	60	5.7
Osage	13,662	77	5.6
Ozark	9,186	50	5.4

Counties	Population	Marriages	Rate
Pemiscot	16,826	112	6.7
Perry	19,225	141	7.3
Pettis	42,558	328	7.7
Phelps	44,744	335	7.5
Pike	18,567	132	7.1
Platte	101,187	621	6.1
Polk	31,794	211	6.6
Pulaski	52,059	504	9.7
Putnam	4,811	29	6.0
Ralls	10,224	61	6.0
Randolph	24,945	120	4.8
Ray	22,855	137	6.0
Reynolds	6,275	21	3.3
Ripley	13,564	122	9.0
Saline	22,660	160	7.1
Schuyler	4,508	27	6.0
Scotland	4,963	35	7.1
Scott	38,541	208	5.4
Shannon	8,249	63	7.6
Shelby	6,021	27	4.5
St. Charles	395,504	1,417	3.6
St. Clair	9,362	49	5.2
St. Francois	66,705	512	7.7
St. Louis City	308,626	2,358	7.6
St. Louis County	996,726	5,676	5.7
Ste. Genevieve	17,843	98	5.5
Stoddard	29,369	242	8.2
Stone	31,699	154	4.9
Sullivan	6,229	35	5.6
Taney	55,355	678	12.2
Texas	25,735	144	5.6
Vernon	20,437	169	8.3
Warren	34,373	239	7.0
Washington	25,022	146	5.8
Wayne	13,296	58	4.4
Webster	38,665	241	6.2
Worth	2,057	8	3.9
Wright	18,331	109	5.9



**Table 35B. Reported Marriages by Gender and County of Recording: Missouri, 2017**

Counties	Male-Female	Female-Female	Male-Male	Not Stated
State Total	38981	833	450	52
Adair	139	1	2	1
Andrew	92	2	0	0
Atchison	42	0	0	0
Audrain	164	3	1	0
Barry	123	0	1	0
Barton	75	1	0	0
Bates	96	2	1	0
Benton	86	1	2	0
Bollinger	48	0	0	0
Boone	1118	38	19	0
Buchanan	519	1	0	0
Butler	308	5	3	0
Caldwell	42	0	0	0
Callaway	179	3	0	0
Camden	298	6	2	0
Cape Girardeau	571	9	3	0
Carroll	51	1	1	1
Carter	31	0	0	0
Cass	559	7	2	0
Cedar	82	0	0	0
Chariton	43	2	0	0
Christian	478	4	2	0
Clark	52	0	0	0
Clay	1441	35	13	0
Clinton	108	1	0	0
Cole	562	14	5	0
Cooper	100	1	0	0
Crawford	164	3	0	0
Dade	10	0	0	0
Dallas	88	1	0	0
Daviess	74	1	1	2
DeKalb	54	1	0	0
Dent	127	2	0	0
Douglas	82	0	0	0
Dunklin	175	6	2	0
Franklin	748	5	4	0
Gasconade	109	0	0	1
Gentry	36	0	0	0

Counties	Male-Female	Female-Female	Male-Male	Not Stated
Greene	2228	65	28	1
Grundy	68	2	1	0
Harrison	61	0	1	1
Henry	147	3	0	0
Hickory	46	0	0	0
Holt	25	0	0	0
Howard	58	0	1	1
Howell	341	4	0	0
Iron	46	0	2	0
Jackson	5933	174	124	0
Jasper	906	19	5	0
Jefferson	1135	18	5	4
Johnson	443	7	5	0
Knox	19	0	0	0
Laclede	277	1	2	0
Lafayette	224	7	1	0
Lawrence	294	2	1	7
Lewis	41	0	0	0
Lincoln	333	4	0	0
Linn	55	0	0	0
Livingston	101	1	0	0
Macon	98	1	0	0
Madison	54	1	0	0
Maries	60	0	0	0
Marion	220	4	0	0
McDonald	173	7	2	1
Mercer	31	1	0	1
Miller	138	0	0	0
Mississippi	119	4	0	0
Moniteau	74	0	0	0
Monroe	44	0	0	0
Montgomery	49	0	0	0
Morgan	153	2	3	0
New Madrid	87	4	0	0
Newton	357	3	2	0
Nodaway	129	2	1	0
Oregon	60	0	0	0
Osage	77	0	0	0
Ozark	49	0	0	1

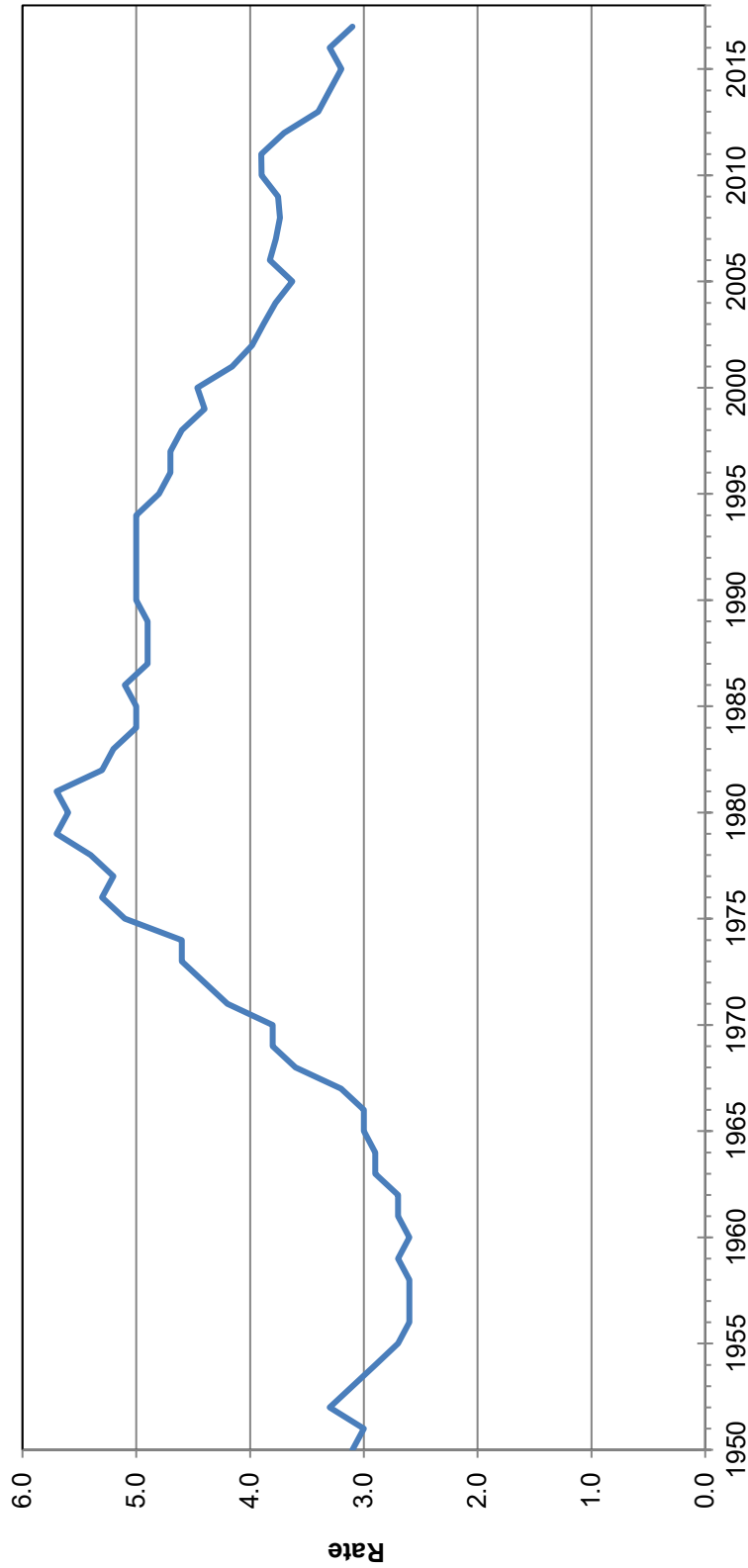
Counties	Male-Female	Female-Female	Male-Male	Not Stated
Pemiscot	110	1	1	0
Perry	136	3	2	0
Pettis	323	5	0	0
Phelps	331	4	0	0
Pike	132	0	0	0
Platte	606	11	4	0
Polk	210	1	0	0
Pulaski	486	15	3	0
Putnam	28	0	0	1
Ralls	59	2	0	0
Randolph	119	1	0	0
Ray	135	1	1	0
Reynolds	21	0	0	0
Ripley	120	2	0	0
Saline	154	5	1	0
Schuyler	27	0	0	0
Scotland	34	0	1	0
Scott	201	6	1	0
Shannon	63	0	0	0
Shelby	27	0	0	0
St. Charles	1377	27	12	1
St. Clair	47	0	1	1
St. Francois	498	10	4	0
St. Louis City	2161	85	87	25
St. Louis County	5462	138	75	1
Ste. Genevieve	97	1	0	0
Stoddard	240	1	1	0
Stone	150	4	0	0
Sullivan	34	1	0	0
Taney	664	8	5	1
Texas	143	1	0	0
Vernon	166	2	1	0
Warren	237	2	0	0
Washington	145	0	1	0
Wayne	56	2	0	0
Webster	238	2	1	0
Worth	8	0	0	0
Wright	109	0	0	0

**Table 35C. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2017**

BRFSS Region	Population	Total	Rate	Male-Female	Rate	Same-Sex	Rate
State Total	6,113,532	40,316	6.6	38,981	6.4	1,283	0.2
Northeast	249,943	1,554	6.2	1,525	6.1	26	0.1
Northwest	239,668	1,562	6.5	1,534	6.4	24	0.1
Central	724,502	4,961	6.8	4,828	6.7	131	0.2
Southeast	570,164	3,845	6.7	3,765	6.6	79	0.1
Southwest	938,437	6,753	7.2	6,568	7.0	174	0.2
St. Louis Region	2,142,654	12,113	5.7	11,617	5.4	465	0.2
Kansas City Region	1,248,164	9,528	7.6	9,144	7.3	384	0.3
Metro	4,592,404	29,836	6.5	28,718	6.3	1,084	0.2
Non-Metro	1,521,128	10,480	6.9	10,263	6.7	199	0.1



Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2017



Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1985	24,990	5.0
1955	11,351	2.7	1990	25,701	5.0
1960	11,320	2.6	1995	25,733	4.8
1965	13,261	3.0	2000	24,980	4.5
1970	17,852	3.8	2005	21,013	3.6
1975	24,527	5.1	2010	23,349	3.9
1980	27,595	5.6	2011	23,272	3.9
			2012	22,550	3.7
			2013	20,684	3.4
			2014	19,877	3.3
			2015	19,330	3.2
			2016	19,997	3.3
			2017	19,187	3.1

**Table 36. Reported Marriage Dissolution Decrees by Month and by Type of Decree: Missouri, 2017**

	Total Decrees	Dissolutions	Legal Separations	Annulments
State Total	19,288	19,133	101	54
January	1,511	1,499	7	5
February	1,395	1,385	10	0
March	1,736	1,721	7	8
April	1,631	1,615	11	5
May	1,759	1,741	11	7
June	1,813	1,806	5	2
July	1,491	1,486	4	1
August	1,683	1,669	12	2
September	1,526	1,512	11	3
October	1,661	1,646	7	8
November	1,539	1,529	8	2
December	1,543	1,524	8	11

**Table 37. Reported Dissolutions and Annulments of Marriage by Number of Previous Marriages: Missouri, 2017**

<u>Husband</u>	Total	<u>Wife</u>						
		None	One	Two	Three	Four	Five Or More	Unknown
State Total	19,187	11,353	4,001	1,258	405	131	67	1,972
None	11,388	9,385	1,555	281	72	19	7	69
One	4,117	1,562	1,683	537	165	49	29	92
Two	1,224	275	487	283	105	32	12	30
Three	373	55	146	97	39	18	10	8
Four	94	10	37	23	10	9	5	0
Five Or More	40	4	10	18	1	2	4	1
Unknown	1,951	62	83	19	13	2	0	1,772

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.



**Table 38. Reported Dissolutions and Annulments of Marriage by Duration of Marriage and Number of Children Affected:  
Missouri, 2017**

<u>Duration</u>	Total	<u>Children Affected</u>							
		No Children	One	Two	Three	Four	Five	Six Or More	Unknown
State Total	19,187	10,237	3,790	3,430	1,223	315	77	27	88
Under 1 Year	508	457	31	8	5	1	1	0	5
1 Year	1,069	831	159	53	17	2	2	0	5
2 Years	1,270	888	249	98	20	7	4	0	4
3 Years	1,379	832	320	173	39	9	0	3	3
4 Years	1,267	709	302	190	42	15	3	0	6
5 Years	1,200	663	258	206	54	13	2	0	4
6 Years	1,085	516	271	216	58	19	1	1	3
7 Years	939	451	182	220	71	9	2	1	3
8-9 Years	1,712	683	389	440	140	32	7	7	14
10-12 Years	2,081	782	442	513	249	65	19	2	9
13-15 Years	1,528	527	286	458	189	50	10	3	5
16-19 Years	1,589	545	334	432	192	59	16	5	6
20-24 Years	1,379	640	314	288	97	26	7	2	5
25-29 Years	906	638	157	75	24	3	1	3	5
30-34 Years	530	465	45	14	5	0	1	0	0
35-39 Years	257	242	6	2	5	1	0	0	1
40 Years and Longer	214	202	3	4	2	0	0	0	3
Unknown	274	166	42	40	14	4	1	0	7

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.

**Table 39. Reported Dissolutions and Annulments of Marriage by Race of Wife by Race of Husband: Missouri, 2017**

<u>Wife</u>	Total	<u>Husband</u>			
		White	Black	Other	Unknown
Total	19,187	14,929	1,773	170	2,315
White	15,045	14,414	335	103	193
Black	1,511	115	1,365	9	22
Other	202	124	22	50	6
Unknown	2,429	276	51	8	2,094

**Table 40. Reported Dissolutions and Annulments of Marriage by Petitioner by Disposition of Children and by Child Support Awarded: Missouri, 2017**

<u>Petitioner</u>	Total	<u>Custody Given To:</u>					
		Husband	Wife	Joint	Other	No Children	Unknown
State Total	19,187	414	1,926	5,990	216	10,615	26
Husband	7,136	350	255	2,277	89	4,155	10
Wife	11,336	58	1,619	3,519	121	6,004	15
Joint	221	1	18	81	2	118	1
Other	21	0	0	2	0	19	0
Unknown	473	5	34	111	4	319	0

<u>Petitioner</u>	Total	<u>Child Support Awarded To:</u>					
		Husband	Wife	No Support	Other	No Children	Unknown
State Total	19,187	457	4,986	3,026	12	10,615	91
Husband	7,136	305	1,341	1,303	5	4,155	27
Wife	11,336	142	3,499	1,624	7	6,004	60
Joint	221	4	55	43	0	118	1
Other	21	0	1	1	0	19	0
Unknown	473	6	90	55	0	319	3

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.



**Table 41. Reported Dissolutions and Annulments of Marriage by Age of Wife by Age of Husband: Missouri, 2017**

<u>Age of Wife</u>	Total	<u>Age of Husband</u>									
		Less Than 20	20-24	25-29	30-34	35-39	40-44	45-54	55-64	65 +	Unknown
<b>Total</b>	19,187	22	692	2,005	2,783	2,973	2,701	4,454	2,344	871	342
<b>Less Than 20</b>	51	10	28	2	6	0	0	3	0	0	2
<b>20-24</b>	1,068	4	485	404	95	27	12	10	1	4	26
<b>25-29</b>	2,565	4	112	1,206	837	215	84	48	4	4	51
<b>30-34</b>	3,102	1	25	260	1,330	963	307	146	22	7	41
<b>35-39</b>	2,982	2	6	52	333	1,255	871	363	57	9	34
<b>40-44</b>	2,579	0	7	26	77	332	968	1,034	93	10	32
<b>45-54</b>	3,889	0	6	11	41	96	354	2,370	848	104	59
<b>55-64</b>	1,845	0	4	0	3	9	31	332	1,111	335	20
<b>65 +</b>	559	0	2	1	1	1	2	27	140	380	5
<b>Unknown</b>	547	1	17	43	60	75	72	121	68	18	72

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.

**Table 42A. Reported Dissolutions and Annulments by County of Recording with Rates per 1,000 Population: Missouri, 2017**

Counties	Population	Decrees	Rate
<i>State Total</i>	6,113,532	19,187	3.1
Adair	25,377	52	2.0
Andrew	17,555	243	13.8
Atchison	5,275	12	2.3
Audrain	25,641	83	3.2
Barry	35,668	34	1.0
Barton	11,850	47	4.0
Bates	16,334	61	3.7
Benton	19,074	68	3.6
Bollinger	12,306	66	5.4
Boone	178,271	520	2.9
Buchanan	89,065	110	1.2
Butler	42,666	239	5.6
Caldwell	9,100	32	3.5
Callaway	45,032	133	3.0
Camden	45,632	137	3.0
Cape Girardeau	78,161	306	3.9
Carroll	8,796	40	4.5
Carter	6,169	21	3.4
Cass	103,724	320	3.1
Cedar	14,073	51	3.6
Chariton	7,480	14	1.9
Christian	85,432	284	3.3
Clark	6,723	31	4.6
Clay	242,874	833	3.4
Clinton	20,554	36	1.8
Cole	76,708	121	1.6
Cooper	17,644	65	3.7
Crawford	24,102	91	3.8
Dade	7,588	21	2.8
Dallas	16,673	38	2.3
Daviess	8,361	17	2.0
DeKalb	12,588	39	3.1
Dent	15,480	87	5.6
Douglas	13,300	53	4.0
Dunklin	30,119	138	4.6
Franklin	103,330	399	3.9
Gasconade	14,726	42	2.9
Gentry	6,665	79	11.9

Counties	Population	Decrees	Rate
Greene	289,805	1,138	3.9
Grundy	9,949	31	3.1
Harrison	8,524	51	6.0
Henry	21,718	91	4.2
Hickory	9,475	24	2.5
Holt	4,413	13	2.9
Howard	10,139	38	3.7
Howell	40,103	208	5.2
Iron	10,226	40	3.9
Jackson	698,895	1,812	2.6
Jasper	120,217	531	4.4
Jefferson	223,810	527	2.4
Johnson	53,897	182	3.4
Knox	3,977	7	1.8
Laclede	35,443	144	4.1
Lafayette	32,641	114	3.5
Lawrence	38,434	86	2.2
Lewis	9,967	30	3.0
Lincoln	56,183	155	2.8
Linn	12,194	43	3.5
Livingston	15,173	64	4.2
Macon	15,251	54	3.5
Madison	12,243	55	4.5
Maries	8,867	31	3.5
Marion	28,634	114	4.0
McDonald	22,828	75	3.3
Mercer	3,678	5	1.4
Miller	25,228	95	3.8
Mississippi	13,586	48	3.5
Moniteau	16,063	48	3.0
Monroe	8,612	25	2.9
Montgomery	11,438	43	3.8
Morgan	20,145	50	2.5
New Madrid	17,582	34	1.9
Newton	58,290	171	2.9
Nodaway	22,472	61	2.7
Oregon	10,558	41	3.9
Osage	13,662	24	1.8
Ozark	9,186	26	2.8

Counties	Population	Decrees	Rate
Pemiscot	16,826	72	4.3
Perry	19,225	67	3.5
Pettis	42,558	219	5.1
Phelps	44,744	164	3.7
Pike	18,567	56	3.0
Platte	101,187	374	3.7
Polk	31,794	130	4.1
Pulaski	52,059	205	3.9
Putnam	4,811	13	2.7
Ralls	10,224	37	3.6
Randolph	24,945	78	3.1
Ray	22,855	71	3.1
Reynolds	6,275	17	2.7
Ripley	13,564	90	6.6
Saline	22,660	70	3.1
Schuyler	4,508	18	4.0
Scotland	4,963	18	3.6
Scott	38,541	152	3.9
Shannon	8,249	33	4.0
Shelby	6,021	18	3.0
St. Charles	395,504	1,179	3.0
St. Clair	9,362	38	4.1
St. Francois	66,705	289	4.3
St. Louis City	308,626	487	1.6
St. Louis County	996,726	2,696	2.7
Ste. Genevieve	17,843	52	2.9
Stoddard	29,369	185	6.3
Stone	31,699	103	3.2
Sullivan	6,229	21	3.4
Taney	55,355	179	3.2
Texas	25,735	104	4.0
Vernon	20,437	71	3.5
Warren	34,373	102	3.0
Washington	25,022	89	3.6
Wayne	13,296	52	3.9
Webster	38,665	117	3.0
Worth	2,057	128	62.2
Wright	18,331	101	5.5



**Table 42B. Reported Dissolutions and Annulments by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2017**

BRFSS Region	Population	Decrees Recorded	Rate
Total	6,113,532	19,187	3.1
Northeast	249,943	799	3.2
Northwest	239,668	975	4.1
Central	724,502	2,338	3.2
Southeast	570,164	2,489	4.4
Southwest	938,437	3,297	3.5
St. Louis Region	2,142,654	5,636	2.6
Kansas City Region	1,248,164	3,653	2.9
Metro	4,592,404	13,380	2.9
Non-Metro	1,521,128	5,807	3.8

## **APPENDIX**

On January 1, 2010, the Missouri Department of Health and Senior Services (MDHSS) implemented two significant changes relating to the tabulation of statistical data on vital events in Missouri. MDHSS launched a web-based registration system and began registering births and deaths using the 2003 Revision of the US Standard Certificates of Live Births and Deaths. The web-based registration system collected some existing data items in different ways. The revised certificates stopped collecting some data items, included new data items, and collected old information in new ways. As a result, differences in tabulations since 2010 may be the result of changes in data collection methods rather than changes in health status. Major changes in data collection methods are addressed in this appendix. Differences between 2017 tabulations and pre-2010 tabulations should be evaluated with these changes in mind.

### **RELIABILITY OF THE DATA**

In analyzing any data including Vital Statistics, the potential for error in the data must not be overlooked. There are several types of errors possible including: under-registration, errors made by the informant, and errors in compiling and processing.

The most potentially dangerous error is that of improper interpretation. Statistics are neither more true nor false than the interpretation given to them. Particular caution must be used in analyzing trend data, because changes have occurred over the years in medical diagnosis, coding definitions, and registration methodology.

Care should be taken in using rates where the number of events or reference population is small. Minor differences in the number of events may result in major changes in the rates. Rates based on fewer than 20 events are very unstable. Most of the rates computed for this report are crude rates. In comparing rates for geographic areas and time periods, crude rates are limited because they do not take into account the differences in age, sex, race, and other population characteristics.

### **SOURCES OF VITAL RECORDS**

Vital statistics in Missouri are compiled from six basic records which are filed with MDHSS by state law. These records are: (1) live birth records, (2) death records, and (3) fetal death records, each beginning in 1911; (4) marriage and (5) divorce records, beginning in 1949; and (6) abortion records, beginning in 1975.

Missouri cooperates with other states in the exchange of records for live births, fetal deaths, deaths, and abortions, including events occurring to Missouri residents in other states. However, MDHSS has not received individual abortion records from Illinois since 1983 and did not receive records from Tennessee clinics from 1997 to 2005. Instead, MDHSS received estimates of Missouri resident abortions from some Tennessee clinics from 1997 to 2005 and an estimate of Missouri resident abortions was received from Illinois for 1988-2017. These estimates are shown in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 42) report events that occurred in Missouri, regardless of the residence of the parties involved.

The data within this report represent the 2017 calendar year of events. Live births were accepted through February 23, 2018, death, fetal death and abortion records through April 15, 2018, and marriages and dissolutions by May 1, 2018.



Except where noted, historical vital statistics data are taken from annual MDHSS vital statistics reports.

## **POPULATION**

All Missouri county and city population estimates for 2017 were developed by the United States Census Bureau (Vintage 2017). Counts for all decennial years were taken from the United States Census Bureau for those years. Age-sex-specific estimates and counts were also taken from the Census Bureau with the exception of the Less than Age One population, which used the number of that year's resident live births.

The source of the state total estimates for non-Census years 1911-1969 is the US Census Bureau P-25 series. State estimates for 1971-1979 were obtained from the US Census Bureau publication, "Preliminary Intercensal Estimates of the Population of Counties." Age-sex-specific population estimates for 1981 - 1989 were developed by the US Census Bureau in unpublished tables. State population estimates for 1991-1999 and 2001-2009 also came from the US Census Bureau. MDHSS used these as controls in developing 1991-1999 age-sex-specific population estimates for Missouri. Estimates of the 2001-2009 age-sex-specific state population were adjusted to the 2010 counts and provided by the US Census Bureau (published October 2012). State total population estimates for 2011-2017 came from the US Census Bureau (Vintage 2017).

## **RACE and HISPANIC ORIGIN (ETHNICITY)**

Since the 1989 report, birth, fetal death, and infant death data have been presented by race of mother. Before 1989, this data was presented by race of child. The change in 1989 was implemented to be consistent with the National Center for Health Statistics (NCHS), which also implemented this change in 1989. Race of child had been computed by an algorithm based on the race of mother and race of father. Persons of mixed parentage were classified according to the race of the nonwhite parent. Because of this rather arbitrary formula and the increasing proportion of out-of-wedlock births in which father's race is missing, it was decided by NCHS to implement this change to race of mother.

Beginning with the 2010 vital statistics report, tabulations of race for live births, deaths, and abortions refer to four mutually-exclusive groups that take into account Hispanic origin. The groups are "white, non-Hispanic"; "black, non-Hispanic"; "other/multiple race, non-Hispanic"; and "Hispanic, all races". For tabulations prior to 2010, "race" refers to the classification of the population into three distinct groups: white, black, and other. Before 2010, persons of Latin American birth or ancestry who were not identified as being American Indian or other designated race were classified as white.

The 2010 methodology was changed to be consistent with changes in population data from the decennial US Census and the 2003 US Standard certificates for live births and deaths, and the 2003 US Standard Report of Fetal Death. Prior to 2010, only one race could be selected. "Multiple race" was available as a primary selection, but no details were captured. Beginning with 2010 birth and death data, more than one race can be selected. Analysis of 2017 Missouri resident data showed that 3.1 percent of births were to mothers of multiple races and 0.3 percent of deaths were to multiple race decedents. Therefore, records of mothers and decedents which indicate only white or only black as their race, and do not indicate Hispanic origin, are classified in this report as white, non-Hispanic, or black, non-Hispanic, respectively. The "other/multiple, non-Hispanic" race group now includes persons selecting multiple races as well as persons identified as American Indian or Alaska Native (AIAN), Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian,

Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, or other specified race, but not of Hispanic origin. Persons of unknown race are not included in “other/multiple,” but are included in the total of all races. This method allows for comparison of statistics on race across the different methods of collecting race information.

Appendix Table A shows the effects of the changes in race and Hispanic origin classification on low birth weight using 2017 resident live births. The number of white, non-Hispanic and black, non-Hispanic births using the 2010 method were both reduced from the White and Black totals using the pre-2010 method, as the Hispanic births and births involving multiple races have been removed. White, non-Hispanic births (2010 method) were 6.3 percent less than white births (pre-2010 method). The 2010 method resulted in about 9.2 percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.4 percent was slightly lower than the 7.5 white rate. The low birth weight rate for black, non-Hispanics was 15.4 percent compared to 14.9 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 1.99 using the pre-2010 method compared with 2.07 using the new 2010 method.

**Appendix Table A**  
**Effects of Changes in Racial Classification Methods on 2017 Low Birth Weight**  
**(less than 5.5 lbs) Rates by Race**

**Pre-2010 Definition (single race\* selected)**

<u><b>Mother's Race</b></u>	<u><b>Live Births</b></u>	<u><b>LBW</b></u>	<u><b>LBW Rate</b></u>	<u><b>Black/White Ratio</b></u>
<b>White</b>	57,218	4,278	7.5	
<b>Black</b>	11,533	1,719	14.9	1.99
<b>Other and Multiple</b>	4,040	342	8.5	
<b>Unknown race</b>	226	18	8.0	
<b>Total</b>	73,017	6,357	8.7	

**2010 Definition (multiple races\*\* and Hispanic origin included)**

<u><b>Mother's Race</b></u>	<u><b>Live Births</b></u>	<u><b>LBW</b></u>	<u><b>LBW Rate</b></u>	<u><b>Black/White Ratio</b></u>
<b>White, Non-Hispanic</b>	53,633	3,984	7.4	
<b>Black, Non-Hispanic</b>	10,467	1,612	15.4	2.08
<b>Hispanic, any Race</b>	4,152	322	7.8	
<b>Other and Multiple</b>	4,692	434	9.2	
<b>Unknown race</b>	73	5	6.8	
<b>Total (includes unknown race)</b>	73,017	6,357	8.7	

\* Single-race method includes Hispanic mothers in White, Black and Other/Multiple classifications.

\*\*Multiple-race method excludes Hispanic mothers from White, Black and Other/Multiple classifications.

Users of the MDHSS MOPHIMS/MICA query tools

(<https://webapp01.dhss.mo.gov/MOPHIMS/MICAHome>) should note that the above changes are not reflected in the Birth and Death MICA queries for 2010 and beyond. Instead, an algorithm from NCHS is used to make race-specific statistics from both multiple-race and single-race data



collection systems that are sufficiently comparable to permit analysis. Hispanic origin was maintained as a separate category of analysis in the Birth and Death MICAs. This was done to keep analyses as consistent with the prior years of data as possible. (Filtering of Hispanic origin for data queries is still supported.)

As a result, small differences will be found between statistics calculated by MICA and statistics in this report. For instance, the black to white infant death rate ratio increases from 2.43 using the single-race method (Death MICA) to 2.53 using the multiple-race method (this report). The changes in racial classification tended to have a greater effect on the “other/multiple race, non-Hispanic” category as the low birth weight rate for this group increased from 8.5 percent using the single-race method to 9.2 percent using the multiple-race method. The birth denominator count for this classification was similar using both methods, but the individual mothers within each group were very different. The single-race method includes a large proportion of Hispanics as “other/multiple race”, while the multiple-race method includes mothers with multiple declared races instead. (See Appendix Table A above.)

## **"RESIDENT" AND "RECORDED" EVENTS**

It is important to understand the significance of the terms "Resident" and "Recorded" when analyzing vital statistics.

"Resident" data for vital events are compiled in relation to persons residing in a particular area, independent of where the event occurred. An exception to this is that when a person dies in a hospital, nursing home, or other institution, the usual place of residence before admission determines the place of residence. In the case of live births, fetal deaths, and infant deaths, the residence of the mother is considered to be the residence of the child. "Recorded" data for vital events are based on where the event occurred. Analysis using recorded data may include records of non-Missouri residents.

Resident and recorded figures are independent of each other and should neither be added to nor subtracted from the other. Thus, the number of events occurring or not occurring in the same geographic area where the people reside cannot be simply calculated from resident and recorded data. Each table indicates whether the analysis is for resident or recorded data.

## **GEOCODING**

Beginning with 2008 data, MDHSS uses a computerized geocoding package (Address Broker) to improve the accuracy of residence address information on Missouri resident birth and death records for the entire state. If the record's address, including resident county, city, and zip code, matches well with available address data, the software over-writes the existing values on the record and also adds latitude, longitude, and Census tract. If no match is available or the best match is not accurate enough, address information is left as reported, and latitude, longitude, and Census tract are not added.

From 2000 through 2007, only the following metropolitan counties were geocoded: Buchanan, Cass, Clay, Greene, Jackson, Jefferson, Platte, Ray, St. Charles, St. Louis County, and St. Louis City.

## REGIONS

Beginning with the 2010 report, Missouri Regional Planning Commission areas were replaced with Behavioral Risk Factor Surveillance System (BRFSS) regions. This change was made to support and enhance MDHSS BRFSS survey data. More information on BRFSS, along with public access data, can be found at: <https://health.mo.gov/data/brfss/index.php>. A map of the BRFSS region boundaries is included in this report on page vi.

## METRO (METROPOLITAN) vs. NON-METRO COUNTIES

Tables displaying BRFSS region data also include metro and non-metro groupings. These groupings cut across BRFSS regions so that a subset of all BRFSS regions is not equivalent to the metro or non-metro groupings. The metro counties are: Andrew, Bollinger, Buchanan, Bates, Boone, Caldwell, Callaway, Cape Girardeau, Cass, Christian, Clay, Clinton, Cole, Dallas, Greene, Franklin, Howard, Jackson, Jasper, Jefferson, Lafayette, Lincoln, McDonald, Moniteau, Newton, Osage, Platte, Polk, Ray, St. Charles, St. Louis, Warren, Webster, and Washington counties, as well as St. Louis City. The eighty other counties are defined as non-metro. A map of metro and non-metro regions is included in this report on page vi, adapted from a map prepared by the US Census Bureau, Geography Division. (US Department of Commerce, Economics and Statistics Administration, August 31, 2010.)

## UNKNOWN AND IMPUTED DATA

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In general, state totals always include records with variables that have any unknown values. The number of 2017 records with unknown county of residence by system is as follows:

Live Births.....	0
Fetal Deaths.....	0
Deaths.....	1
Abortions .....	81

To account for unknown data items and inconsistencies in reporting to MDHSS, the following imputations and data interpretations were made in this report:

- Unknown sex is considered male.
- Unknown county of mother's or decedent's residence is replaced with the county of recording when the recording occurs in Missouri.
- Unknown marital status is considered not married, out-of-wedlock. (Prior to 2010, unknown marital status was considered married.)
- Unknown live birth order is considered 1st.
- Unknown number born is considered singleton.
- Maternal age greater than or equal to age 65 is considered unknown.
- Unknown month of last live birth is considered June.
- Unknown day of last live birth is considered 15th.
- Unknown average amount smoked for any trimester or for the three months prior to pregnancy is considered unknown maternal smoking status.



- Prepregnancy weight less than 50 pounds or greater than 400 pounds is considered unknown prepregnancy weight. Postpregnancy weight less than 50 pounds or greater than 450 pounds is considered unknown postpregnancy weight.
- Negative weight gain during pregnancy (weight loss) is considered 0 pounds gained.

## INDICATORS CHANGED OR REMOVED FROM THIS REPORT

The following indicators appeared in prior editions of this report but were changed as noted or removed beginning with the 2010 report:

- Maternal Drinking During Pregnancy: Data item was removed by NCHS from the 2003 revision of the US Standard Birth Certificate. Self-reporting by mothers on this data item was found to be poor at best.
- Maternal Smoking During Pregnancy (Table 10): Smoking during any trimester of pregnancy. Data item was revised by NCHS on the 2003 revision of the US Standard Birth Certificate to provide opportunity to analyze the patterns of maternal smoking. (See “Enhanced Data on Maternal Smoking (Table 5A, Table 10)” for details.)
- Years at Present Address: Data item was removed from certificate by MDHSS to make room for other items.
- Maternal Transfers: Due to the low number of events in recent years, this indicator was removed.
- Crown Heel Length: Data item was removed by MDHSS due to poor reporting and lack of reliability.
- Birth Spacing Less Than 18 Months (Table 10): The full date of last live birth is now collected instead of only month and year. As a result, births that took place more than 17 months but less than 18 months after the last live birth are now counted. This is a factor contributing to the increase in the rate for this indicator since 2009.
- Obstetric and Pediatric Conditions and Procedures, Congenital Anomalies and Abnormal Conditions of Newborn (Table 5B): See “Medical Information on Birth Records” below for a detailed description of changes made to these indicators.
- Live Birth Order (Table 6, Table 7, and Table 10): Definition changed to include all prior live births, regardless of current vital status. As such, Live Birth Order of 1<sup>st</sup> identifies “first-time” mothers. Prior to the 2010 report, Live Birth Order only counted prior live births currently living.
- Mother more than 15% Underweight, Mother more than 20% Overweight: Indicators have been replaced with the BMI-based Underweight and Obese indicators (Table 10).
- Prenatal Care and Inadequate Prenatal Care (Table 10): Beginning in 2010 the complete date of first prenatal visit is collected, affecting the beginning trimester of Prenatal Care and the rates of inadequate prenatal care. (See “Date of First Prenatal Visit and Adequacy of Prenatal Care (Table 10)” for details.)
- Mother on Medicaid and WIC: Removed from the 2010 report due to the high correlation between the Mother on Medicaid and Mother on WIC indicators.
- Recorded Births and Deaths by Cities with 2,500 to 24,999 Population: These listings were removed due to the extreme influence local health care capacity has on where these events occur.

- Causes of Death, Groupings of Causes of Death, and Rankable Causes of Death (Tables 18-19, Table 21, Table 23, and Table 26): Changes made by MDHSS (See “Cause of Death Classification and Rankable Causes of Death” below for details.).
- Cause of Accidental Death (Table 27): Definition of public transportation accidental death in car or truck changed because of no longer updating motor vehicle accidental deaths with added information from the Highway Patrol beginning in 2010. This resulted in less specific ICD-10 codes and the need to expand the codes for car and truck accidents and reduce the codes for Public Transport: Other/Unspecified. (See “Accidental Death Table (Table 27)” below for details.).

## RATES

Rates are calculated by dividing the number of events of concern by the population at risk or a related population and multiplying by a constant. Live birth, death, natural increase, marriage, and dissolution rates are expressed in terms of 1,000 estimated mid-year population. Cause-specific death rates are expressed in terms of 100,000 population. Infant, perinatal, fetal, neonatal, and post-neonatal death rates are stated per 1,000 live births (Tables 22-25). (See “Population” above for more details.)

Rates per 100 (percentages) are used for most prenatal and birth outcome indicators (Tables 7-10), such as inadequate prenatal care and low birth weight births, where the denominator is based on the number of live births. When the rate being calculated is a percent, events for which the value of interest is unknown are excluded from the calculation. Hence, percentages in this report are the percent of events for which the value is known, not the percentage of all potential events.

## FORMULAE FOR VARIOUS RATE INDICATORS

**Total Fertility Rate** (Graph B) is the average number of live births a woman would have if a given set of age-specific birth rates applied throughout her reproductive years.

**General Fertility Rate** (Table 3) is the total number of live births per 1,000 women aged 15-44 for a given year.

**Age-Specific Fertility Rate** (Table 3) is the number of live births born to mothers of a given age per 1,000 females of that age group for a given year.

**Abortion Ratio** (Table 14) is the comparison of the total number of abortions to the total number of live births for a given year, and then multiplied by 1,000.

$$\text{Abortion Ratio} = \frac{\text{Number of abortions during year}}{\text{Live births for that year}} \times 1,000$$

**Crude Death Rate** is defined as the total number of deaths of area residents for the year divided by the appropriate population (usually midyear population estimate) of the area, then multiplied by some constant. The constants used in this report are 100,000 for cause-specific rates and deaths for all causes (Tables 18 and 26A) and 1,000 for death rates in all other tables and graphs.

$$\text{Crude death rate} = \frac{\text{Number of deaths during year}}{\text{Midyear population for that year}} \times 1,000 \text{ or } 100,000$$



**Age-Specific Death Rate** (Tables 4 and 20) is calculated in the same manner as the crude death rate except that both the number of deaths and the population used are restricted to a given age group.

$$\text{Age-specific death rate for a given age group} = \frac{\text{Number of deaths in that age group during year}}{\text{Population in that age group for that year}} \times 1,000$$

The **Age-Adjusted Death Rate** (Age-Adj Rate) is a weighted average of age-specific death rates. Comparison of areas or time periods using crude death rates can often be misleading, since these rates are affected by the age composition of the population. For example, a county may have a high crude death rate simply because it has an older population. To control for differences in age composition, age-specific rates can be weighted (normalized) according to a standard population. Such a calculation produces an age-adjusted rate.

The age-adjusted rates shown in this report are calculated by the direct method, using the following formula:

$$\text{Age-Adjusted Death Rate} = \sum_{A 01}^{A 11} (Ma \times \frac{Pa}{P})$$

where Ma = the age-specific rate for each given age group

Pa = the standard population in each given age group

P = the total standard population, and

Σ indicates that the results for the eleven age groups are summed.

The eleven age groups used for age-adjustment are as follows: Under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+.

This adjustment serves to control for differences in age compositions and makes comparisons between areas or time periods more appropriate. **It is important, however, not to compare age-adjusted death rates with rates adjusted to different standard populations or with unadjusted rates.**

This report uses the 2000 US population as the standard. In the 1991 to 1998 annual vital statistics reports, the 1940 US standard population was used. This makes comparisons of age-adjusted death rates with annual vital statistics reports before 1999 inappropriate. The standard population was changed to United States 2000 to be comparable with national age-adjusted death rates published by NCHS. The 1940 distribution was considered out-of-date at that time since it was representative of a younger population. For a more detailed discussion of this topic, see "Age Standardization of Death Rates: Implementation of the Year 2000 Standard." National Vital Statistics Reports, Vol. 47, No. 3 at: [http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf)

## GESTATIONAL AGE CHANGE in 2014

Beginning in 2014, Missouri adopted a new standard of estimating gestational age as recommended by NCHS (see [https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_05.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf) ). The new measure is the obstetric estimate of gestation at delivery, replacing the formerly-used method of calculating the period between the date of last normal menses (DLNM) and the date of birth. The new method is considered more accurate according to various studies documented in the NCHS article. This change primarily affects the rate of births less than 37 weeks gestation presented in

Table 10. It tends to increase the gestational age and thus reduce the rate of births less than 37 weeks substantially. The change also has a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy. See Appendix Table B for a comparison of these indicators using the two methods of estimating gestation for 2011-2017.

**Appendix Table B**  
**Resident Rates per 100 Live Births for Four Gestational Age Indicators,**  
**Obstetric Estimate vs. DLMN: Missouri 2011-2017**

	Less Than 37 weeks		Weight Gain < 15 lbs		Weight Gain 45 + lbs		Inadequate Prenatal Care	
	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM
2011	9.6	11.8	11.1	11.1	20.4	20.4	17.9	17.8
2012	9.9	11.8	11.5	11.4	20.8	20.7	18.5	18.4
2013	9.6	11.5	11.4	11.3	21.3	21.3	18.7	18.6
2014	9.8	11.9	11.6	11.5	21.6	21.6	20.2	20.0
2015	10.0	12.0	12.1	12.1	21.0	21.0	19.4	19.3
2016	10.2	12.1	13.1	13.1	20.8	20.8	19.2	19.0
2017	10.6	12.4	13.4	13.5	20.4	20.4	20.0	19.8

## MEDICAL INFORMATION ON BIRTH RECORDS

Table 5B presents selected risk factors, obstetric procedures, characteristics of labor and delivery, methods of delivery, presence of infections, maternal health concerns, abnormal conditions of the newborn, and congenital anomalies from the birth certificate by means of a check-off box system. A study conducted by MDHSS supported the belief that check-off boxes increase reporting of these data items. Starting in 2010, revisions to the check-off boxes were implemented, and the following data items are no longer collected on the birth certificate:

- Maternal Risk Factors: anemia, cardiac disease, acute or chronic lung disease, genital herpes, hydramnios/oligohydramnios, hemoglobinopathy, incompetent cervix, previous live born infant weighing 4000+ grams at birth, renal disease, Rh sensitization, uterine bleeding
- Obstetric Procedures: amniocentesis, electronic fetal monitoring, ultrasound, chorionic villus sampling (CVS)
- Characteristics of Labor: abruptio placenta, placenta previa, other excessive bleeding, seizures during labor, dysfunctional labor, cephalopelvic disproportion, cord prolapse, anesthetic complications
- Abnormal Conditions of Newborn: anemia, fetal alcohol syndrome, hyaline membrane disease, meconium aspiration syndrome

## MEDICAID STATUS OF BIRTHS (Table 5A, Table 10)

Another change on the 2003 revision of the US Standard Birth Certificate concerned the mother's participation in Medicaid. Prior to 2010, the birth certificate asked if the mother was on Medicaid at any time during the pregnancy. Even if the mother was not on Medicaid at the time of delivery, but had participated at some time in her pregnancy, the expected response to the question was "Yes."



As of the 2010 report, Medicaid status is captured using a question about the principal payment source for the delivery. Medicaid is indicated only if the mother's delivery will be primarily paid for by Medicaid. As a result, Medicaid births will generally be fewer than in previous years.

## **ENHANCED DATA ON MATERNAL SMOKING (Table 5A, Table 10)**

The 2003 revision of the US Standard Birth Certificate contains more detailed data on mothers' smoking habits during pregnancy than the previous certificate. Before 2010, mothers were asked about the average number of cigarettes smoked daily during the entire pregnancy. As of 2010, information on maternal smoking is captured for each trimester of pregnancy and for the three-month period prior to becoming pregnant. This allows for targeted analysis and investigation into the impact of smoking on gestational development and birth outcomes. In addition, the previous data item allowed for a mother to answer yes to smoking status but leave the average amount smoked unknown. Starting with 2010 data, if the average amount smoked for any period of smoking is unknown, then the mother's smoking status is unknown. (See "Unknowns" above.) These changes resulted in an increase in maternal smoking during pregnancy.

## **DATE OF FIRST PRENATAL VISIT AND ADEQUACY OF PRENATAL CARE (Table 10)**

Prior to 2010, only the ordinal month of the pregnancy (first month, second month, etc.) was reported to identify the beginning of prenatal care. The 2003 revision of the US Standard Birth Certificate collects the full date of the first prenatal visit. The ordinal month is then calculated based on the mother's date of last normal menses. Beginning with the 2010 report, this calculation provides results that are, on average, almost a month later in the pregnancy than previous results. This in turn results in inadequate prenatal care rates that are 50 percent higher than in prior years. The higher rates are probably more representative of the actual rate of inadequate prenatal care. In other words, the increase is likely an artifact of the less accurate reporting in the past of the month prenatal care began.

## **DEFINITIONS FOR 2010 AND LATER**

**APGAR** – An assessment of the health of an infant taken at one minute and five minutes after birth.

For the 2003 revision of the US Standard Birth Certificate, the assessment is repeated at ten minutes if the score at five minutes was less than 6. Apgar scores range from 0 to 10 and are used internationally. Factors used to determine the score are: heart rate, respiratory effort, muscle tone, reflex irritability, and color. A score below 8 implies a moderately or severely depressed condition. The score used for this report is taken at five minutes after birth. The score assigned is completely at the discretion of the attending physician. As such, caution should be used in interpreting patterns of low scores by geographic area because of possible regional subjective bias. In addition, different medical personnel might assign different scores to the same child.

**Attendant** – Classification of the physician or other person in attendance at or immediately after delivery of the infant. MD: Medical Doctor; DO: Doctor of Osteopathy; CNM/CM: Certified Nurse Midwife or Certified Midwife; CPM (added in 2014): Certified Professional Midwife; Other Midwife: includes other non-certified midwives. Attendant is presented in Table 5A.

Birth Order – Number of previous pregnancy outcomes plus one. This differs from “live birth order” in that it includes other previous pregnancy outcomes besides live births such as abortions or miscarriages. It is used in Table 24.

Birth Spacing: Less than 18 months – Live births occurring to mothers who had a prior live birth within 18 months. The percent is of second and higher order births and the newborn is a singleton or is the first live birth in a multiple birth set. As of the 2010 report, the full date of the last live birth is collected, making it possible to identify prior births more than 17 months but less than 18 full months. This contributed to the percentage increase seen in 2010.

Breastfed After Delivery (Infant Care: Breastfed After Delivery) – Live births where the mother breastfed, or attempted to breastfeed, the baby prior to discharge from the birthing facility. This does not imply that breastfeeding was successful or that the mother intends to continue breastfeeding after discharge.

Complication Report (below Graph D) -- Report completed by physicians performing post-abortion care upon a woman.

Fetal Death – Spontaneous death in utero at 20 or more completed weeks of gestation, or has a delivery weight of 350 grams or more.

FSP – Participation by mother in the Food Stamp Program during her pregnancy.

Full-term-Birth – A live birth with a gestational age of 37 or more weeks.

Gestational Age – The age of a fetus or baby in terms of the number of completed weeks spent in its mother’s womb. (See GESTATIONAL AGE CHANGE in 2014 earlier in APPENDIX for more Information).

High Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained more than 44 pounds during pregnancy.

Inadequate Prenatal Care – Fewer than five prenatal care visits for pregnancies less than 37 weeks gestation, fewer than eight visits for pregnancies 37 or more weeks, or prenatal care began after the first four months of pregnancy. Before 1994 records with unknown month prenatal care began or unknown prenatal visits were excluded. Beginning in 1994, if adequacy of prenatal care could be determined, even if month care began or number of visits was unknown, then these records were included. (This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.)

Infant Death – Live born infant dying during the first year of life.

Infant Transfer – Live born infant transferred to another facility after delivery.

Live Birth Order – Number of previous babies born alive to mother, regardless of current vital status, plus one. Live birth order of one indicates first time mother. Prior to the 2010 report, only prior live births still living were counted.

Low Birth Weight – A live birth of less than 2,500 grams (five and one-half pounds).



Low Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained less than 15 pounds during pregnancy.

Maternal Death – Death of a mother, whether while pregnant, during delivery, or up to a year after delivery, as a result of complications of pregnancy, childbirth, or puerperium (ICD-10 codes O00-O99).

Maternal Weight Gain – The amount of weight a mother gains (or loses) from prior to pregnancy to time of birth.

Maternal Weight Status Before Pregnancy – Pre-pregnancy classification as underweight, normal, overweight, or obese, based on a woman's body mass index (BMI). The BMI formula uses height and weight to calculate this measure of body fatness or thinness.

Natural Increase – Number of resident live births minus resident deaths for a given period.

Neonatal Death – Death of a live born infant during the first 27 days of life.

NICU – Neonatal Intensive Care Unit.

Non-smoker – A live birth to a mother who indicated that she did not smoke during the three months prior to pregnancy and did not smoke during the first, second, and third trimesters of pregnancy. In other words, the mother entered '0' for the average amount smoked for each time period. If the mother failed to provide information for any period, her smoking status is unknown.

Non-Live Birth Outcome – A pregnancy that did not result in a live birth (resulted in a spontaneous miscarriage, fetal death, or an induced abortion)(Table 5A).

Out-of-Wedlock birth – A live birth involving a mother who was unmarried at the time of conception, at the time of birth, and throughout the time between conception and birth.

Perinatal Death – An obstetric event that resulted in a fetal death or neonatal death.

Prenatal Care (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trimester) – Trimester that prenatal care began as indicated by the time between the date of last normal menses and date of first prenatal visit. All live births belong in one of five categories: 1<sup>st</sup> Trimester, 2<sup>nd</sup> Trimester, 3<sup>rd</sup> Trimester, None, Unknown.

Poor Pregnancy Outcome – A pregnancy of at least 20 weeks gestation that results in a perinatal death, small for gestational age live birth, or an intrauterine-growth-restricted live birth.

Postneonatal Death – Death occurring after the 27th day of life but before one year of life.

Pregnancy – An obstetric event that resulted in a live birth, fetal death, or induced abortion (Table 11).

Preterm birth – A live birth of less than 37 weeks gestation.

Principal Payment Source – The primary source of payment of the hospital charges incurred as a result of the delivery.

Quit Smoking (During Pregnancy) – A live birth to a mother who indicated: (a) smoking during the first trimester but did not smoke for the second and third trimesters or (b) smoking during the first and second trimesters but did not smoke for the third trimester.

Singleton – A live birth resulting from a pregnancy where one and only one fetus was conceived. One surviving live birth resulting from a multiple gestation pregnancy is not considered a singleton birth.

Small for Gestational Age – A singleton live birth where the birth weight is at or below the 10<sup>th</sup> percentile of births of the same gender and gestational age.

Smoked Pack Per Day – A live birth to a mother who smoked an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See “Unknowns” above.)

## **CAUSE OF DEATH CLASSIFICATION AND RANKABLE CAUSES OF DEATH (Tables 18, 19, 21, 26)**

Cause of death data are analyzed and presented by the underlying cause. The underlying cause of death is defined as the disease or injury that initiated the chain of morbid events leading directly to death or the circumstances of the accident or violence that produced the fatal injury.

The causes of death presented here are classified in accordance with the Tenth Revision of the International Classification of Diseases (ICD-10), World Health Organization. This revision is used to classify deaths occurring in the United States on or after January 1, 1999. For a general measure of the extent of the changes between the ninth and tenth revisions, consult [https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_02.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf). Comparisons with cause of death statistics from earlier years must be done with caution, since systems for classifying causes of death have changed over the years. Consequently, the mortality trend for a single disease may be distorted as a result of changes in defining and coding the cause of death.

In tables presenting “leading” causes of death, selected causes of death are grouped together according to guidelines designated by NCHS into “rankable causes.” Modifications of those guidelines would produce a different picture of leading causes of death. For example, if all deaths from infectious diseases were combined into a single group instead of distributed in their current groupings, the resulting single group would have constituted the sixth leading cause of death in Missouri for 2010. Leading cause of death rankings are based on numbers of deaths, not death rates. Twenty of the current NCHS 51 rankable causes of death (each marked with an asterisk) are included in this report and listed below.

In Tables 21 and 26, which list “Selected” causes of death, the following specific causes of death, listed in prior years, were removed beginning with the 2010 report: tuberculosis, syphilis, stomach cancer, and peptic ulcer. These causes were removed due to the low incidence of deaths from those causes in Missouri. The circulatory disease groupings were simplified in the 2010 report. Also, deaths due to SIDS (ICD-10 code R95) and to pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99) were removed from tables of rankable causes because they are presented in tables of infant and maternal mortality.

Three new causes of death were added beginning with the 2010 report: enterocolitis due to *Clostridium difficile*, Parkinson’s disease, and pneumonitis due to solids and liquids. Also, two new cause groupings were added: falls and accidental poisonings. Both of these groupings were



formerly included among the “other unintentional injuries” grouping. All of these causes/groupings have been added because of their striking increase in numbers since 2000. The twenty rankable and seventeen other selected causes of death and cause of death groupings presented in this report are listed below along with their ICD-10 diagnosis codes.

## **Cause of Death Groupings Used in Tables 21 and 26.....ICD-10 Codes**

*Enterocolitis due to clostridium difficile .....	A04.7
*Septicemia .....	A40-A41
*HIV/AIDS .....	B20-B24
*Malignant neoplasms.....	C00-C97
Colon, rectum, and anus .....	C18-C21
Pancreas .....	C25
Trachea, bronchus, and lung.....	C33-C34
Breast.....	C50
Cervix uteri, corpus uteri, and ovary.....	C53-C56
Prostate.....	C61
Urinary tract.....	C64-C68
Non-Hodgkin's lymphoma .....	C82-C85
Leukemia.....	C91-C95
Other malignant neoplasms .....	Residual of C00-C97
*Diabetes mellitus .....	E10-E14
*Alzheimer's disease.....	G30
*Parkinson's disease.....	G20-G21
*Diseases of heart.....	I00-I09, I11, I13, I20-I51
*Essential hypertension.....	I10, I12
*Cerebrovascular diseases .....	I60-I69
*Influenza and pneumonia .....	J09-J18
*Chronic lower respiratory diseases.....	J40-J47
*Pneumonitis due to solids and liquids.....	J69
*Chronic liver disease and cirrhosis .....	K70, K73-K74
*Nephritis and nephrosis .....	N00-N07, N17-N19, N25-N27
*Conditions originating in perinatal period.....	P00-P96
*Congenital anomalies .....	Q00-Q99
Symptoms and ill-defined conditions, including SIDS .....	R00-R99
(Note that in 2010-2012 reports, SIDS deaths were included in All other diseases)	
All other diseases.....	Residual of A00-R99
*Unintentional injuries .....	V01-X59, Y85-Y86
Motor vehicle crashes ..V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2	
Falls.....	W00-W19
Accidental poisoning by and exposure to noxious substances.....	X40-X49
Other unintentional injuries.....	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9,

V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W20-X39, X50-X59, Y85-Y86

\*Suicide..... X60-X84, Y87.0

\*Homicide..... X85-Y09, Y87.1

All other external causes: events of undetermined intent, legal intervention, complications of medical care, and late effects of injuries .....Y10-Y36, Y40-Y84, Y87.2, Y88-Y89

The other 31 causes of death designated by NCHS as rankable causes but not included in this report are listed below. They are included, however, in the MOPHIMS Death MICA at <https://webapp01.dhss.mo.gov/MOPHIMS/QueryBuilder?qbc=DM&q=1&m=1>

### **Additional Cause of Death Groupings Used for Ranking by NCHS But Not in This Report**

<b>Cause .....</b>	<b>ICD-10 Code</b>
Salmonella infections.....	A01-A02
Shigellosis and amebiasis.....	A03, A06
Tuberculosis.....	A16-A19
Whooping cough .....	A37
Scarlet fever and erysipelas.....	A38, A46
Meningococcal infection.....	A39
Syphilis .....	A50-A53
Acute poliomyelitis .....	A80
Arthropod-borne viral encephalitis .....	A83-A84, A85.2
Measles.....	B05
Viral hepatitis .....	B15-B19
Malaria .....	B50-B54
Benign/in situ neoplasms and neoplasms of uncertain or unknown behavior ..	D00-D48
Anemias.....	D50-D64
Nutritional deficiencies .....	E40-E64
Meningitis.....	G00, G03
Atherosclerosis .....	I70
Aortic aneurysm and dissection .....	I71
Acute bronchitis and bronchiolitis.....	J20-J21
Pneumoconiosis and chemical effects .....	J60-J66, J68
Peptic ulcer .....	K25-K28
Diseases of appendix.....	K35-K38
Hernia .....	K40-K46
Cholelithiasis and other disorders of gallbladder.....	K80-K82
Infections of kidney .....	N10-N12, N13.6, N15.1
Hyperplasia of prostate .....	N40
Inflammatory diseases of female pelvic organs .....	N70-N76
Pregnancy, childbirth, and the puerperium.....	O00-O99
Legal intervention.....	Y35, Y89.0
Operations of war and their sequelae .....	Y36, Y89.1
Complications of medical and surgical care .....	Y40-Y84, Y88

### **ACCIDENTAL DEATH TABLE (Table 27)**

Beginning with 2004 data, the accidental death table was updated to reflect revised ICD-10 cause



of death groupings. These groupings are adapted from criteria for the “Injury Mortality Summary” provided by the Research and Statistics Department of the National Safety Council (NSC). Many of the categories were new in 2004, and even when the category name did not change, the numbers were not precisely comparable to prior years’ data because of changed definitions. Poisonings at home, in particular, were grossly underreported under the old system. The new system gives a more complete count of poisoning deaths and presents poisoning deaths due to all drugs, both prescribed and illicit.

Note that accidental deaths (Table 27) are presented in terms of deaths that occurred in Missouri, whether the injury occurred in Missouri or not. Tables with accidental death counts are not comparable to most of the other mortality tables because those tables display Missouri resident deaths. See “‘Resident’ and ‘Recorded’ Events” above.

Accidental death data are also categorized by the physical location where the accident occurred. A work accident is any unintentional injury death for which the “Injury at work?” checkbox on the death certificate is marked “Yes.” A home accident is any unintentional injury death occurring at any non-institutional residence including its garage and grounds. Deaths due to unintentional injury where the injury occurred anywhere else are classified as public. Beginning with the 2010 report, ICD-10 codes V87.0-V87.8, V88.0-V88.8, V89.0 and V89.2 were included in the definition for accidental Public transport: car or truck deaths. If a death falls into more than one category such as late effects of a motor vehicle crash while the decedent was at work, the order of precedence is: late effects, work, home/public.

#### **Accidental Death Categories in Table 27..... ICD-10 Codes**

Grand total .....V01-X59, Y85-Y86

Work total ..... “Injury at work?” checkbox = “Yes”

Heavy transport vehicle ..... V60-V69

Other motor vehicle ..... V02-V04, V09.0, V09.2, V12-V14, V190-V19.2, V19.4-V19.6, V20-V59, V70-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Other transport .....Residual of V01-V99

Falls ..... W00-W19

Farm machinery..... W30

Other machinery ..... W31

Struck by/against object.....W20-W29, W35-W49

Electric current..... W85-W87

Other/unspecified accident ..... W32-W34, W50-W84, W88-W99, X00-X59

Home total ..... W00-X59 with place of injury code of 0

Public non-transport total ..... W00-X59 with place of injury code not 0

Falls ..... W00-W19

Machinery ..... W30-W31

Firearms ..... W32-W34

Struck by/against object.....W20-W29, W35-W49

Drowning ..... W65-W74

Choke/suffocate.....W75-W77, W78-W80, W81-W84

Excess natural heat/cold..... X30-X31

Fire/flame/smoke ..... X00-X09

Poisoning (drug/alcohol)..... X40-X45

Poisoning (gas/other) ..... X46-X49

Other/unspecified accident .....	Residual of W00-X59
Public transport total .....	V01-V99
Car or truck .....	V40-V69, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Pedestrian/motor vehicle.....	V02-V04, V09.0, V09.2
Pedal cyclist .....	V12-V14, V19.0-V19.2, V19.4-V19.6
Motorcyclist .....	V20-V29
Railroad (not w/motor vehicle) .....	V05, V15, V80.6, V81.2-V81.9
Nonroad vehicle, including ATVs .....	V83-V86
Water transport .....	V90-V94
Air transport .....	V95-V97
Other/unspecified .....	Residual of v01-v99
Late effects of accidents .....	Y85-Y86

### **TOBACCO USAGE AND MORTALITY DATA (Table 28)**

Beginning in 2010, the death certificate includes a question that asks, “Did tobacco use contribute to the death?” This allows the medical certifier to make a determination as to the role of tobacco use in causing the death. This item should not be interpreted as or substituted for the decedent’s smoking status at death.

Note that this is different from the “Smoking-Attributable” death estimates, which are calculated by applying likelihood percentages to all deaths with specified ICD-10 underlying cause codes based on the extent to which smoking increases the risk of dying from those particular diseases. Missouri smoking-attributable death estimates are published in the ‘Leading Causes of Death’ Community Data Profile available online at: <https://webapp01.dhss.mo.gov/MOPHIMS/ProfileHome>.

### **NEW DEATH TABLE IN 2013 (Table 29)**

In 2013, a new death table was added entitled Resident Deaths by Selected Characteristics by Sex. It includes death variables that are not reported in other tables such as certifier, death place, month of death, disposition of body, marital status, education of deceased, and whether an autopsy was performed.



## **ABRIDGED LIFE TABLES (Table 30)**

The abridged life tables used beginning in 2010, were developed by MDHSS. They represent a slight change to the calculations used before 2010, which had been developed from an NCHS program using the technique of "reference to a standard table." These life tables are technically defined as "current life tables" since they are cross-sectional in nature. In other words, the 2017 tables do not represent the life expectancy of an actual cohort of all Missourians born in a particular year and followed throughout their lifetime. Rather, the current life table considers a hypothetical cohort and assumes it is subject to the age-specific mortality rates existing for a given year. This means the population figures listed in these tables are not actual population counts for Missouri. Instead, they are only theoretical. The figures are only useable for calculating age-specific life expectancy.

The term "abridged" indicates that the age intervals used for the tables are in five-year age groupings rather than single years of age.

For further information about life expectancy tables and their methodology, go to [http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_09.pdf).

## **REVISED MARRIAGE TABLES 31-35 in 2016 (WITH SAME-SEX MARRIAGES)**

In June 2015, the United States Supreme Court ruled that same-sex couples had a right to marry, and Missouri began recording these marriages after this ruling. However, since the data was incomplete, we did not report this data in detail in 2015 (although the 726 reported same-sex marriages were included in the state totals). In 2016, data on same-sex marriages was reported in detail for the first time in Tables 31 and 33-35. Table 31 shows the number of marriages by month for male-female, female-female, and male-male marriages. In 2017 there are 52 marriages with unknown gender that are included in the state totals. Table 32 includes only male-female marriages because the same-sex numbers are too small to break out by specific age cross-tabulations. Tables 33-35 display marriages by gender by selected other variables.

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# **MISSOURI VITAL STATISTICS 2017**